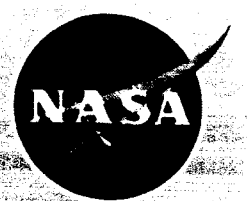
NASA SP-7011 (409)
December 1995

AEROSPACE MEDICINE AND BIOLOGY

1995 CUMULATIVE INDEX



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December 1995

AEROSPACE MEDICINE AND BIOLOGY

A CONTINUING BIBLIOGRAPHY WITH INDEXES

1995 CUMULATIVE INDEX

National Aeronautics and Space Administration
Scientific and Technical Information Office
Washington, DC 1995

SUPPLEMENTS COVERED IN THIS ISSUE

Document	*Page Range*	*Date*	*Coverage*
NASA SP-7011(397)	1-26	January 1995	January 1995
NASA SP-7011(398)	27-40	February 1995	February 1995
NASA SP-7011(399)	41-104	March 1995	March 1995
NASA SP-7011(400)	105-188	April 1995	April 1995
NASA SP-7011(401)	189-218	May 1995	May 1995
NASA SP-7011(402)	219-268	June 1995	June 1995
NASA SP-7011(403)	269-318	July 1995	July 1995
NASA SP-7011(404)	319-360	August 1995	August 1995
NASA SP-7011(405)	361-406	September 1995	September 1995
NASA SP-7011(406)	407-474	October 1995	October 1995
NASA SP-7011(407)	475-526	November 1995	November 1995
NASA SP-7011(408)	527-544	December 1995	December 1995

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INTRODUCTION

WHAT THIS CUMULATIVE INDEX IS

This publication is a cumulative index to the abstracts contained in NASA SP-7011 (397) through NASA SP-7011 (408) of *Aerospace Medicine and Biology: A Continuing Bibliography*. NASA SP-7011 and its supplements serve as a current abstracting and announcement journal for references on bioscience and biotechnology. Entries prepared are identified as follows:

1. NASA entries by *STAR* accession numbers N95-10000.
2. Open Literature entries by accession numbers A95-60000, A95-70000 and A95-80000.

HOW THIS CUMULATIVE INDEX IS ORGANIZED

This Cumulative Index includes a subject, personal author, corporate source, foreign technology, contract number, report number, and accession number index.

HOW TO USE THE SUBJECT INDEX

Two types of cross-references appear in the subject index:

1. Use (U) references indicate that the subject term is not "postable," i.e., not a valid term, and that the following term or terms are used instead. For example:

   DOSE
   U DOSAGE
   AIRLINERS
   U COMMERCIAL AIRCRAFT
   U PASSENGER AIRCRAFT

2. Narrower Term (NT) references refer the user to more specific headings in the same subject area, under which additional material on the subject may be found. For example:

   FATIGUE (BIOLOGY)
   NT AUDITORY FATIGUE
   NT FLIGHT FATIGUE
   NT MUSCULAR FATIGUE

In addition, a searcher may use the title or title and title extension in the index to narrow further his quest for particular items; this is because subject terms may include documents on different aspects of the same subject term. For example:

BIOLOGICAL EFFECT
Vibratory force effect upon biological systems, particularly human organism.
Biological effect of cosmic and solar radiations on human body at high altitudes.

HOW TO USE THE PERSONAL AUTHOR INDEX

All personal authors used in the abstract section citations in the individual supplements appear in the index. Differences in translation schemes may require multiple searching on the index for variants of an author's name. For example:

EMELIANOV, M. D.
and
YEMELYANOV, M. D.

HOW TO USE THE CORPORATE SOURCE INDEX

The corporate source index entries are abridged versions of the corporate sources used in the abstract section citations in the individual supplements. The corporate source supplementary (organizational component) does not appear in the index. For example:

BOEING CO., SEATTLE, WASH. MILITARY AIRCRAFT SYSTEMS DIV. (Source citation entry)
BOEING CO., SEATTLE, WASH. (Source index entry)

HOW TO USE THE FOREIGN TECHNOLOGY INDEX

The foreign technology index identifies research performed outside of the United States. Listings in this index are arranged alphabetically by country of intellectual origin. For example:

CHINA, PEOPLE'S REPUBLIC OF

HOW TO USE THE CONTRACT NUMBER INDEX

All contract numbers that are identified in the abstract section citations in the individual supplements appear in this index. Changes by agencies in the style in which contract numbers are presented may require multiple searching for variants. For example:

AF 33(615)-71-C-1758
F33615-71-C-1758

HOW TO USE THE REPORT NUMBER INDEX

All report numbers that have been assigned by the corporate source, monitoring agency or cataloging activity appear in this index. Variations in cataloging may result in different report number series. For example:

TP-924
ONERA-TP-924

HOW TO USE THE ACCESSION NUMBER INDEX

All documents that were acquired, indexed, and announced in *STAR* during the year have been assigned a unique identification number, which appears in this index. For example:

N95-10001
N95-10002

IDENTIFICATION OF DESIRED SUPPLEMENT

The abstract and descriptive cataloging for any accession number selected from the indexes may be found in the appropriate supplement. The page number range of each supplement appears on page ii of this index. Once the range of page numbers containing the selected accession number is located in the second column, the desired supplement number will be found in the first column. For example:

Page 410 will be found in Supplement 407

AVAILABILITY OF DOCUMENTS

Information concerning the availability of documents announced in *Aerospace Medicine & Biology* is found in the Introduction to the most currently issued supplement.

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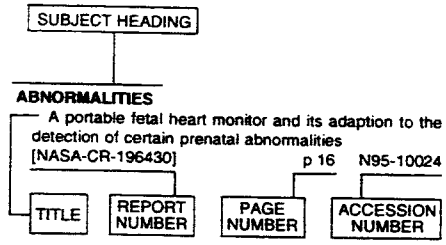
TABLE OF CONTENTS

Subject Index A-1
Personal Author Index B-1
Corporate Source Index C-1
Foreign Technology Index D-1
Contract Number Index E-1
Report Number Index F-1
Accession Number Index G-1

AEROSPACE MEDICINE AND BIOLOGY / *A Continuing Bibliography*
1995 Cumulative Index

December 1995

Typical Subject Index Listing



The subject heading is a key to the subject content of the document. The title is used to provide a description of the subject matter. When the title is insufficiently descriptive of document content, a title extension is added, separated from the title by three hyphens. The accession number and the page number are included in each entry to assist the user in locating the abstract in the abstract section. If applicable, a report number is also included as an aid in identifying the document. Under any one subject heading, the accession numbers are arranged in sequence.

A

ABDOMEN
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283
Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
[HTN-95-91919] p 344 A95-82021
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1)
p 84 N95-14224
ABERRATION
Visual neural development and chromatic aberration
[AD-A285064] p 169 N95-16368
ABILITIES
Effects of aging, skill modification, and demand alternation on multiple-task performance
[HTN-95-B0110] p 378 A95-85926
ABIOGENESIS
Chemistry of potentially prebiological natural products — Abstract only p 106 A95-63746
Organic aerosols in the atmosphere of Titan — Abstract only p 183 A95-63754
Elemental and isotopic composition of cometary grains: Implications for abiotic synthesis — Abstract only p 108 A95-63767
The use of the ninhydrin reaction for the elimination of protein amino acids in cosmogeochemical samples — Abstract only p 109 A95-63771
Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview — Abstract only p 111 A95-63783
The prebiotic role of adenine: A critical analysis — Abstract only p 111 A95-63784
A new perspective for prebiotic formation of achiral, nucleic acid-like molecules — Abstract only p 113 A95-63795
An approach to prebiotic synthesis of oligoribonucleotides — Abstract only p 114 A95-63797
Polypeptide-assisted oligomerization of nucleotide analogs — Abstract only p 114 A95-63801
Oligomerization of a nucleotide analog related to barbituric acid — Abstract only p 115 A95-63804
An assemblage of free amino acids as a possible prebiotic enzyme — Abstract only p 115 A95-63806
Catalytic studies of biommetic molecular systems and origin of life — Abstract only p 116 A95-63807
Evolution of biocatalysts: Ribozymes may have been preceded by 'chelazymes' — Abstract only p 116 A95-63809
Amino acid distribution in acient and derived proteins — Abstract only p 117 A95-63814
Self-replicating oligonucleotides — Abstract only p 119 A95-63822
Evolution of catalytic networks formed by self-replicative species — Abstract only p 119 A95-63824
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides — Abstract only p 122 A95-63837
Cellular structures from amino acid thermolysates — Abstract only p 123 A95-63840
Autocatalytic accretion of prebiotic molecules in aqueous environments — Abstract only p 123 A95-63842
Phosphate compounds in precellular and early cellular energy conversion — Abstract only p 123 A95-63844
The formation of 'minimal protocell': Thermodynamical and mechanical aspects — Abstract only p 125 A95-63851
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins — Abstract only p 125 A95-63852
Evidence that the protocell was also a protoneuron — Abstract only p 126 A95-63854
Life in Isua times? A frontier revisited — Abstract only p 127 A95-63857
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life — Abstract only p 184 A95-63860
Magnetite: What it reveals about the origin of the banded iron formations — Abstract only p 128 A95-63862
Revival of the concept of cold prehistory of life — Abstract only p 128 A95-63865
Amino acid stereochemistry in cosmogeochemical samples and the origin of amino acid chirality on Earth — Abstract only p 129 A95-63867
Chirality, cosmochemistry and life — Abstract only p 129 A95-63868
Uranium deposits and the origin of life — Abstract only p 131 A95-63874
Silica biomorphs: An alternative explanation of some putative Precambrian microfossils — Abstract only p 131 A95-63875
Thermodynamics of Strecker synthesis in hydrothermal systems — Abstract only p 134 A95-63888
Formation and alteration of organic compounds under submarine hydrothermal vent environments — Abstract only p 134 A95-63889
The role of polyphosphates at different stages of life evolution on Earth — Abstract only p 135 A95-63895
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Carbonaceous matter in cometary dust and coma p 218 A95-66803
The RNA-world and co-evolution hypothesis and the origin of life: Implications, research strategies and perspectives
[HTN-95-A0482] p 231 A95-72553
On the experimental investigation of the origin of biopolymer chirality
[HTN-95-41640] p 319 A95-78735
An evolutionary game with biased dice
[HTN-95-41641] p 319 A95-78736
Short-lived dissipative nanostructures in solids: Did phase-ordered phonons contribute to biopolymer evolution?
[HTN-95-41643] p 358 A95-78738
ISSOL Meeting, Barcelona, Spain, 1993
[HTN-95-92680] p 419 A95-88726
The prebiotic role of adenine: A critical analysis p 420 A95-88732
Chirality and life p 422 A95-88738
Electroweak enantioselection and the origin of life p 422 A95-88739
ABLATION
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
ABNORMALITIES
A portable fetal heart monitor and its adaption to the detection of certain prenatal abnormalities
[NASA-CR-196430] p 16 N95-10024
ABSORBENTS
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
ABSORBERS (MATERIALS)
Phantoms for fluorescence spectroscopy p 435 A95-87830
ABSORPTION
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
ABSORPTION SPECTRA
Phantoms for fluorescence spectroscopy p 435 A95-87830
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727
ABSORPTION SPECTROSCOPY
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
ABSORPTIVITY
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Phantoms for fluorescence spectroscopy p 435 A95-87830
ABSTRACTS
Abstracts from the International Conference on Nuclear Analytical Methods in the Life Sciences
[DE94-621923] p 27 N95-11728
ACCELERATION
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 28 N95-12006
ACCELERATION (PHYSICS)
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
ACCELERATION PROTECTION
Current Concepts on G-Protection Research and Development
[AGARD-LS-202] p 537 N95-34050

G-protection basis/acceleration physiology p 538 N95-34051
Positive pressure breathing for G protection (PBG) p 538 N95-34055
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056
G-protection capabilities and current G-protection issues p 538 N95-34060

ACCELERATION STRESSES (PHYSIOLOGY)
The reaction of Xenopus laevis Daudin (South African toad) to linear accelerations
[ISBN 0-08-042485-6] p 8 A95-60666
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926
Effect of acceleration on the chest wall
[HTN-95-10132] p 66 A95-61983
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration
[HTN-95-90032] p 82 A95-62823
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
Theories and models on the biological of cells in space p 408 A95-87486
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment p 437 A95-88562
An observation of vestibular spinal relationship p 438 A95-88569
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
Greyout, blackout, and G-loss of consciousness in the Brazilian air force: A 1991-92 survey
[HTN-95-12211] p 448 A95-91911
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863
Negative to positive Gz acceleration transition p 532 N95-34052

ACCELERATION TOLERANCE
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
Some genetic aspects of adaptation to hyperdynamic environments p 86 N95-15100
Changing gravity level and the development of animals p 43 N95-15101
Are otoconia dynamic in birds and mammals? p 43 N95-15103
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
Centrifuges in gravitational physiology research p 91 N95-15147
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Naval Biodynamics Laboratory 1993 command history
[AD-A284358] p 175 N95-18440
Command history, 1993
[AD-A279775] p 256 N95-21989
G-protection basis/acceleration physiology p 538 N95-34051
Negative to positive Gz acceleration transition p 532 N95-34052
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Positive pressure breathing for G protection (PBG) p 538 N95-34055
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058
Selection and training of MiG-29 and future fighter pilots p 534 N95-34059
G-protection capabilities and current G-protection issues p 538 N95-34060

ACCELEROMETERS
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866

ACCEPTABILITY
User acceptability and comfort of the communications earplug (CEP) when used in the UH-1 helicopter
[AD-A294047] p 539 N95-34492

ACCEPTOR MATERIALS
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697

ACCIDENT PREVENTION
A conceptual model of overexertion, safety, and risk of injury in occupational settings
[HTN-95-B0070] p 377 A95-85886
Failure to follow safety instructions: Faulty communication or risky decisions?
[HTN-95-B0116] p 378 A95-85932

ACCLIMATIZATION
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
Physiological dead space increases during initial hours of chronic hypoxemia with or without hypocapnia
[HTN-95-A0729] p 303 A95-75298
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383

ACCOMMODATION
Eye accommodation: Use of Vernier optometers in behavioral research
[HTN-95-92293] p 388 A95-85337

ACCUMULATORS
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059

ACCURACY
The role of accuracy for early cooperative stages of the origin of life --- Abstract only p 133 A95-63883

ACETALDEHYDE
Prebiotic synthesis of pentaerythritol from formaldehyde investigation of the mechanism --- Abstract only p 110 A95-63778

ACETATES
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873

ACETAZOLAMIDE
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907

ACETIC ACID
Role of trace metal ions in chemical evolution. The case of free-radical reactions p 194 A95-66799
Enantioselective autocatalysis. 2: Racemization studies on a 1, 4-benzodiazepinooxazole derivative
[HTN-95-01239] p 428 A95-91471

ACETONE
Enantioselective autocatalysis. 2: Racemization studies on a 1, 4-benzodiazepinooxazole derivative
[HTN-95-01239] p 428 A95-91471

ACETONITRILE
Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile --- Abstract only p 111 A95-63780

ACETYL COMPOUNDS
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
Coupling of brain muscarinic receptors to second messengers
[AD-A290498] p 450 N95-29153

ACETYLENE
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest p 473 A95-89216

ACHIEVEMENT
Locus of control and coping style as stress moderators in achievement oriented individuals
[AD-A294275] p 534 N95-34463

ACID BASE EQUILIBRIUM
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis
[HTN-95-60051] p 72 A95-62159
Blood lactate and acid-base balance in graded neonatal hypoxia: Evidence for oxygen-restricted metabolism
[HTN-95-50861] p 236 A95-73051
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
Molecular dynamics at a constant pH
[HTN-95-92296] p 376 A95-85340

ACIDOSIS
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis
[HTN-95-60051] p 72 A95-62159
Blood lactate and acid-base balance in graded neonatal hypoxia: Evidence for oxygen-restricted metabolism
[HTN-95-50861] p 236 A95-73051
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity
[HTN-95-A0600] p 272 A95-74301
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
Interactive effects of K(+), acidosis, and catecholamines on isolated rabbit heart; implications for exercise
[HTN-95-A0695] p 295 A95-75264
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344

ACOUSTIC ATTENUATION
Actual effectiveness of hearing protection in high level impulse noise
[AD-A291604] p 449 N95-28941

ACOUSTIC EMISSION
The use of acoustic emission in orthopedics p 16 N95-10243

ACOUSTIC IMAGING
Pulmonary airway area by the two-microphone acoustic reflection method
[HTN-95-70101] p 82 A95-62543
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863

Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714

ACOUSTIC IMPEDANCE
Acoustic calibration apparatus for calibrating plethysmographic acoustic pressure sensors
[NASA-CASE-LAR-14977-1] p 253 N95-20763

ACOUSTIC MEASUREMENT
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
The use of acoustic emission in orthopedics p 16 N95-10243
Acoustic calibration apparatus for calibrating plethysmographic acoustic pressure sensors
[NASA-CASE-LAR-14977-1] p 253 N95-20763

ACOUSTIC PROPERTIES
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
Virtual acoustic displays p 98 N95-14035

ACOUSTICS
Gas density does not affect pulmonary acoustic transmission in normal men
[HTN-95-00426] p 326 A95-81943
Non-invasive detection of increased intracranial pressure using acoustical techniques
[AD-A279292] p 351 N95-24309
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365

ACQUIRED IMMUNODEFICIENCY SYNDROME
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440

ACTINIDE SERIES
Biochemistry of the actinides
[GTN-95-09258388-4023] p 424 A95-89501

ACTINOMYCETES
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524

ACTIVATION (BIOLOGY)
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
The electrical behaviour of an excitable cell at different conditions
[DE95-607911] p 381 N95-27254

ACTIVITY (BIOLOGY)
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 28 N95-12006
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066
Neurodynamic oscillators p 311 N95-22987

ACTIVITY CYCLES (BIOLOGY)
Particle method for population waves
[BTN-94-EIX94341340324] p 27 A95-60860
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
Diffusible driving and coupling signals of the biological clock
[AD-A285353] p 258 N95-22475
The 1993 Gordon Research Conference on Chronobiology
[NASA-CR-197990] p 310 N95-24047

ADA (PROGRAMMING LANGUAGE)
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046

ADAPTATION
Ethological experiments on human orientation behavior within a three-dimensional space-in microgravity
[ISBN-0-08-042485-6] p 15 A95-60684
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
Chroococcidiopsis, the most primitive living cyanobacterium? — Abstract only p 127 A95-63858
The stability of DNA in extreme dryness — Abstract only p 135 A95-63894
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
Hamsters vs. rats: Metabolic and ventilatory response to development in chronic hypoxia
[HTN-95-70471] p 223 A95-71493
RNA based evolutionary optimization
[HTN-95-A0485] p 231 A95-72556
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
Comparison of space adaptation and vestibular compensation p 436 A95-88561
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
Operator versus computer control of adaptive automation p 519 A95-95059
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Some genetic aspects of adaptation to hyperdynamic environments p 86 N95-15100
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
Postural control of fish related to gravity input p 44 N95-15118
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
Coping and adaptation: Theoretical and applied perspectives
[AD-A290513] p 455 N95-29090

ADAPTIVE CONTROL
Model reference adaptive control for robotic manipulators without velocity measurements
[HTN-95-21046] p 465 A95-90423
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators
[HTN-95-21049] p 465 A95-90426
Studies of novel popout
[AD-A285237] p 169 N95-16244
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control
[AD-A293607] p 540 N95-34616

ADENINES
The prebiotic role of adenine: A critical analysis — Abstract only p 111 A95-63784
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The prebiotic role of adenine: A critical analysis p 420 A95-88732

ADENOSINE DIPHOSPHATE
Soybean cotyledon starch metabolism is sensitive to altered gravity conditions
[ISBN 0-08-042485-6] p 4 A95-60644
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468

ADENOSINE TRIPHOSPHATE
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531
Specific effect of magnesium ion on AMP synthesis from adenosine and trimetaphosphate in aqueous solution — Abstract only p 107 A95-63758
A model for biogenesis based on thermosynthesis — Abstract only p 125 A95-63850
The role of polyphosphates at different stages of life evolution on Earth — Abstract only p 135 A95-63895
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377

ADENOSINES
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole
[HTN-95-10065] p 49 A95-61916
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168
Separation and characterization of high molecular weight oligomers from ImpA and volclay reaction — Abstract only p 112 A95-63785
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC — Abstract only p 116 A95-63808
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Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492
Utilization of cofactors expands metabolism in a new RNA world
[HTN-95-A0477] p 230 A95-72548
N6-substituted adenine derivatives and RNA primitive catalysts
[HTN-95-A0478] p 230 A95-72549
Is ligation the only solution to the pyrophosphate problem?
[HTN-95-A0480] p 231 A95-72551
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729

ADHESION
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851

ADIPOSE TISSUES
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
Ca(2+) and lipolysis in adipocytes from exercise-trained rats
[HTN-95-70462] p 221 A95-71484
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
Segmental bioelectrical impedance analysis: Theory and application of a new technique
[HTN-95-A0594] p 271 A95-74295
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238

ADRENAL GLAND
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory
[AD-A282122] p 17 N95-11337
Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595

ADRENAL METABOLISM
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977
Inhibition of aldosterone release by hypoxia in vitro: Interaction with carbon monoxide
[HTN-95-60031] p 67 A95-62139
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154

ADRENERGICS
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age
[HTN-95-A0128] p 202 A95-68911
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla p 418 A95-88591

ADRENOCORTICOTROPIN (ACTH)
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286

ADRIATIC SEA
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260

ADSORPTION
Site of adsorption of nucleic bases and their derivatives on clay surfaces --- Abstract only p 112 A95-63789
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054
On the experimental investigation of the origin of biopolymer chirality
[HTN-95-41640] p 319 A95-78735
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507

AEROBES
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846

AEROBRAKING
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751

AEROCAPTURE
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751

AEROEMBOLISM
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515

AERONAUTICS
Aviation human factors research in U.S. universities: Potential contributions to national needs
[HTN-95-92290] p 397 A95-85334

AEROSOLS
Tidal volume and alveolar clearance of insoluble particles
[HTN-95-60057] p 74 A95-62165
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (1) --- Abstract only p 108 A95-63764
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (2) --- Abstract only p 110 A95-63779
Exobiology experiments for Earth-orbital platforms --- Abstract only p 185 A95-63891
Exobiology research on Space Station Freedom p 215 A95-66768
The physical nature of Titan's aerosols: Laboratory simulations p 193 A95-66794
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
One-dimensional simulation of aerosol transport and deposition in the human lung
[HTN-95-70494] p 228 A95-71516
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
Toxicity assessment of liquid propellant XM46 p 387 N95-28319

AEROSPACE ENVIRONMENTS
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Meeting human needs
[AAS PAPER 91-313] p 457 A95-87470
Meeting human needs
[AAS PAPER 91-313] p 457 A95-87470
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
Theories and models on the biological of cells in space p 408 A95-87486
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
Interior design for international teams serving long term in an extreme environment: A problem statement p 24 N95-11609
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
Validation of astronaut psychological select-in criteria p 171 N95-16762
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Artificial gravity: How much, how often, how long? p 178 N95-16778

AEROSPACE INDUSTRY
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890

AEROSPACE MEDICINE
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
Effect of acceleration on the chest wall
[HTN-95-10132] p 66 A95-61983
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
A multimodal method for assessing and treating airsickness
[HTN-95-90719] p 209 A95-69746
A review of muscle atrophy in microgravity and during prolonged bed rest
[HTN-95-90825] p 250 A95-71340
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
The effects of prolonged weightlessness and reduced gravity environments on human survival
[HTN-95-90827] p 250 A95-71342
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
The great lunar quarantine --- Apollo Project's post-mission quarantine
[HTN-95-A0582] p 384 A95-83162
NASA's extended duration orbiter medical program p 441 A95-88586
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
Aeromedical psychology training p 503 A95-95142
Medical and surgical evaluation and care of illness in space
[NASA-CR-196280] p 17 N95-10937
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 393)
[NASA-SP-7011(393)] p 17 N95-11405
The impact of combined heat and noise on short-term retention
[AD-A281744] p 20 N95-11570
Variables mediating the perception of crowding and confinement in extreme environments p 21 N95-11620
Color and physiological arousal p 21 N95-11621
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019

Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 394)
[NASA-SP-7011(394)] p 34 N95-13230
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1)
p 84 N95-14223
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1)
p 84 N95-14224
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
Naval Aerospace Medical Research Laboratory. 1993 command history
[AD-A284038] p 85 N95-14424
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
The Physiologist, volume 36, number 1, supplement
p 85 N95-15089
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans
p 85 N95-15090
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Will man need the vestibular system in generations to come? p 86 N95-15092
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight
p 42 N95-15094
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Hemodynamic responses to passive body tilts
p 86 N95-15096
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Some genetic aspects of adaptation to hyperdynamic environments p 86 N95-15100
Changing gravity level and the development of animals p 43 N95-15101
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
Are otoconia dynamic in birds and mammals?
p 43 N95-15103
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt
p 87 N95-15107
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women
p 87 N95-15111
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
Neuronal types in the chicken's statoacoustic ganglion
p 44 N95-15116
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans
p 88 N95-15120
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
The relationship between space sickness and preflight diet p 88 N95-15122
Manipulating the arterial pressure to prevent G-LOC
p 88 N95-15123
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz
p 89 N95-15126
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses
p 89 N95-15128
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation
p 89 N95-15130
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity
p 90 N95-15138
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA)
p 90 N95-15140
Influence to organs by ten weeks tail suspension
p 45 N95-15142
Centrifuges in gravitational physiology research
p 91 N95-15147
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity
p 46 N95-15148
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395)
[NASA-SP-7011(395)] p 91 N95-15304
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Aviation epidemiology data register: Age-specific medical and nonmedical attrition rates among Fort Rucker civilian aviators
[AD-A284970] p 146 N95-16132
Aerospace Medical Association 63rd Annual Scienti fic Meeting Program p 142 N95-16737
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Skeletal muscle responses to unloading in humans
p 150 N95-16743
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight
p 151 N95-16744
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone
p 151 N95-16745
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight
p 152 N95-16749
Results of an International Space Crew Debrief
p 152 N95-16750
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Effect of antiorthostatic BedRest (BR) on GastroIntestinal Motility (GIM) of normal subjects
p 153 N95-16753
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity
p 153 N95-16756
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Dark focus of accommodation as dependent and independent variables in visual display technology
p 154 N95-16758
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
Alertness management in two-person long-haul flight operations p 170 N95-16760
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761
Validation of astronaut psychological select-in criteria
p 171 N95-16762
Psychological training of NASA astronauts for extended missions p 171 N95-16763
Human performance in the modern cockpit
p 171 N95-16764
Crew decision making under stress
p 171 N95-16765
Space medicine research: Needs for the 21st century
p 154 N95-16768
Effects of weightlessness on human baroreflex function p 154 N95-16770
Dynamics of the G-excess illusion
p 155 N95-16771
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777
Artificial gravity: How much, how often, how long?
p 178 N95-16778
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption
p 155 N95-16779
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest
p 156 N95-16780
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance
p 156 N95-16781
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396)
[NASA-SP-7011(396)] p 158 N95-17703
Naval Biodynamics Laboratory 1993 command history
[AD-A284358] p 175 N95-18440
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 398)
[NASA-SP-7011(398)] p 160 N95-19239

The Clinical Basis for Aeromedical Decision Making [AGARD-CP-553] p 161 N95-19413
Aeromedical risk management for aircrew p 161 N95-19414
The way to waivers in the RAF p 161 N95-19415
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
The effect of special boards of flight surgeons on the evolution of US Naval flight standards p 162 N95-19417
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
AMDRS: A resource for intelligent aeromedical decision-making p 162 N95-19419
Relevance of laboratory tests in aeromedical decisions p 163 N95-19420
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
The NAMI syncope test battery and clinical decision-making in aviators with syncope p 164 N95-19428
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
Sarcoidosis in US military aviators p 166 N95-19438
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators p 167 N95-19439
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442
Medication in the course of active flying duty p 168 N95-19443
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 397) [NASA-SP-7011(397)] p 210 N95-19746
Behavioral effects of tyrosine during sustained wakefulness [AD-A279789] p 251 N95-20307
Development and enhancement of a model of performance and decision making under stress in a real life setting [AD-A285945] p 262 N95-20393
Modeling platform dynamics and physiological response to short arm centrifugation [AD-A279640] p 252 N95-20457
Bibliography of scientific publications 1975-1993 [AD-A279767] p 254 N95-20977
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study [PB95-130399] p 255 N95-21424
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399) [NASA-SP-7011(399)] p 256 N95-21947
Command history, 1993 [AD-A279775] p 256 N95-21989
Age 60 study. Part 1: Bibliographic database [AD-A286245] p 257 N95-22027
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature [AD-A286246] p 257 N95-22040
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter [PB95-132767] p 257 N95-22083
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice [DE94-017083] p 308 N95-22913
Relation of motion sickness susceptibility to vestibular and behavioral measures of orientation [NASA-CR-198048] p 352 N95-24410
Aviation epidemiology data register [AD-A279303] p 352 N95-24423
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 400) [NASA-SP-7011(400)] p 352 N95-24464
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development [PB95-141495] p 353 N95-24863
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985 [DOT/FAA/AM-95/11] p 353 N95-25336
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 401) [NASA-SP-7011(401)] p 354 N95-25800
Aerospace medicine [AD-A289691] p 385 N95-26763
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 402) [NASA-SP-7011(402)] p 387 N95-27502
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
Toxicity assessment of liquid propellant XM46 p 387 N95-28319
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft [AD-A291598] p 388 N95-28561
Manikin integrated data acquisition system (MIDAS) initial modifications [AD-A291662] p 403 N95-28667
Experiment kits for processing biological samples inflight on SLS-2 [NASA-TM-4685] p 474 N95-28722
Test and evaluation of the Impact Instrumentations, Inc. Uni-Vent model 750M ventilator [AD-A292321] p 470 N95-28792
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals [AD-A292488] p 449 N95-28866
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261 [NASA-CR-188368] p 449 N95-28875
Military flying and aeromedical evaluation of cardiac arrhythmias [AD-A291595] p 449 N95-28940
A comparison of the aeromedical administration requirements for US Air Forces and major allies [AD-A290137] p 450 N95-29141
CO2-O2 interactions in extension of tolerance to acute hypoxia [NASA-CR-198575] p 451 N95-29158
Flying waivers for history of angioplasty and myocardial infraction [AD-A292505] p 451 N95-29161
Astronaut selection (NASA-MIPR) [AD-A292512] p 456 N95-29162
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 403) [NASA-SP-7011(403)] p 451 N95-29190
A human factors evaluation of the operational demonstration flight inspection aircraft [DOT/FAA/AM-95/18] p 471 N95-29365
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation p 471 N95-29624
Care in the air: A system analysis of clinical outcomes in aeromedical evacuation p 472 N95-29626
Life sciences program [NASA-CR-197658] p 432 N95-30292
Electromyostimulation, circuits and monitoring [NASA-TM-110741] p 492 N95-30846
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment [AD-A293779] p 511 N95-31376
Current Concepts on G-Protection Research and Development [AGARD-LS-202] p 537 N95-34050
G-protection basis/acceleration physiology p 538 N95-34051
Negative to positive Gz acceleration transition p 532 N95-34052
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Positive pressure breathing for G protection (PBG) p 538 N95-34055
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056
New advances in physiological measurements during high-G: Technology p 532 N95-34057
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058
G-protection capabilities and current G-protection issues p 538 N95-34060

AEROSPACE SAFETY
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost [SAE PAPER 932100] p 460 A95-90344
Spatial disorientation-implicated accidents in Canadian forces, 1982-92 [HTN-95-92917] p 445 A95-91855

AEROSPACE SCIENCES
Bibliography of scientific publications 1975-1993 [AD-A279767] p 254 N95-20977

AEROSPACE SYSTEMS
Determination of the mass properties of a manipulator p 356 A95-80399
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications [SAE PAPER 932145] p 463 A95-90384
Human-centered design of human-computer-human dialogs in aerospace systems [NASA-CR-197379] p 313 N95-22797
Aerospace physiology AFSC 4M0X1 [AD-A294839] p 532 N95-34564

AEROSPACE TECHNOLOGY TRANSFER
Aircraft to medicine [NASA-TM-109245] p 16 N95-10551
Finite element analysis of a composite wheelchair wheel design [NASA-TM-108463] p 22 N95-11195
BioServe space technologies: A NASA Center for the Commercial Development of Space [NASA-CR-196983] p 141 N95-16034

AFFERENT NERVOUS SYSTEMS
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies [HTN-95-A0627] p 279 A95-74328
Vestibular afferent responses to linear accelerations in the alert squirrel monkey [NASA-TM-4581] p 28 N95-12006
Intersensory coordination p 97 N95-14020
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119

AGE FACTOR
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood [HTN-95-10066] p 49 A95-61917
Exercise-induced hypoxemia in older athletes [HTN-95-10071] p 51 A95-61922
Total blood volume in healthy young and older men [HTN-95-70096] p 92 A95-62538
Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age [HTN-95-A0128] p 202 A95-68911
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats [HTN-95-70477] p 224 A95-71499
Age-related differences in diaphragm muscle injury after lengthening activations [HTN-95-50869] p 238 A95-73059
Maximal skin blood flow is decreased in elderly men [HTN-95-A0586] p 269 A95-74287
Maximal aerobic capacity and total blood volume in highly trained middle-aged and older female endurance athletes [HTN-95-A0643] p 283 A95-74344
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans [HTN-95-A0711] p 299 A95-75280
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women [HTN-95-00422] p 325 A95-81939
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people [HTN-95-21556] p 364 A95-83341
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women [HTN-95-21593] p 373 A95-83378
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle [HTN-95-21599] p 374 A95-83384
Effects of aging, skill modification, and demand alternation on multiple-task performance [HTN-95-B0110] p 378 A95-85926
Odor identification by name and by edibility: Life-span development and safety [HTN-95-B0117] p 398 A95-85933
Experimental evaluation of aging and pilot performance p 497 A95-95096
Effects of lighting and task parameters on visual acuity and performance [PB94-179231] p 19 N95-10236

Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory
[AD-A282122] p 17 N95-11337
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Aviation epidemiology data register: Age-specific medical and nonmedical attrition rates among Fort Rucker civilian aviators
[AD-A284970] p 146 N95-16132
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
Age 60 study. Part 1: Bibliographic database
[AD-A286245] p 257 N95-22027
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794

AGGLOMERATION
Analysis of aggregation mechanism of erythrocytes under normal- and microgravity conditions
p 407 A95-87299

AGGREGATES
Phosphate microaggregates in Archean sediments — Abstract only p 135 A95-63897
The physical nature of Titan's aerosols: Laboratory simulations p 193 A95-66794
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields
[DE94-015200] p 143 N95-18371

AGING (BIOLOGY)
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
Total blood volume in healthy young and older men
[HTN-95-70096] p 92 A95-62538
Developmental differences in vascular responses to hypoxia in lungs of rabbits
[HTN-95-A0104] p 196 A95-68887
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
Maximal skin blood flow is decreased in elderly men
[HTN-95-A0586] p 269 A95-74287
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
Hypertropy and proliferation of skeletal muscle fibers from aged quail
[HTN-95-21590] p 372 A95-83375
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion
p 440 A95-88583
Experimental evaluation of aging and pilot performance p 497 A95-95096
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
Age 60 study. Part 1: Bibliographic database
[AD-A286245] p 257 N95-22027
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040

AGRICULTURE
Clean fractionation of biomass
[DE95-000259] p 345 N95-24307

AIR CONDITIONING
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning
[PB95-196382] p 403 N95-28659

AIR COOLING
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370

AIR DATA SYSTEMS
Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575

AIR FILTERS
Improved filtration materials and modeling
[AD-A284684] p 180 N95-18531

AIR FLOW
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
Influence of lung volume dependence of upper airway resistance during continuous negative airway pressure
[HTN-95-A0138] p 204 A95-68921
Evaluation of a symmetrically disposed Pitot tube flowmeter for measuring gas flow during exercise
[HTN-95-70458] p 220 A95-71480
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495
Relationship between dot-Cr and breathing pattern in mechanically ventilated patients
[HTN-95-70490] p 227 A95-71512
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
T model partition of lung and respiratory system impedances
[HTN-95-00427] p 326 A95-81944
Contribution of pulmonary versus systemic perfusion of airway smooth muscle
[HTN-95-91877] p 334 A95-81979
Intra-airway CO2 distribution during airway insufflation in ventilatory failure
[HTN-95-91895] p 338 A95-81997
Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction
[HTN-95-91909] p 342 A95-82011
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air
p 31 N95-11806

AIR LAND INTERACTIONS
Surface-atmosphere interactions on Titan compared with those on the pre-biotic Earth p 193 A95-66793

AIR NAVIGATION
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504

AIR POLLUTION
Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow
[HTN-95-A0112] p 198 A95-68895
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing
[HTN-95-70486] p 227 A95-71508
Ozone toxicity in the rat. 1: Effect of changes in ambient temperature on extrapulmonary physiological parameters
[HTN-95-00445] p 331 A95-81962
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287

AIR PURIFICATION
Toluene removal from air by Dieffenbachia in a closed environment p 513 A95-93772
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194

AIR SAMPLING
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354

AIR SEA ICE INTERACTIONS
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life — Abstract only p 184 A95-63860

AIR TRAFFIC
Encoding altitude and rate information in cockpit displays of traffic information: Color my world
p 518 A95-95051

AIR TRAFFIC CONTROL
Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743
The influence of air traffic control message length and timing on pilot communication p 520 A95-95087
The role of expert systems in future cooperative tools for air traffic controllers p 521 A95-95089
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
Preliminary analysis of pilot ratings of 'part line' information importance p 521 A95-95093
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control
p 521 A95-95094
Computer human interface design in tower air traffic control for aircraft flight data management
p 521 A95-95095
Low-level alcohol effects on pilot readback performance: An exploratory study p 489 A95-95132
A training approach for highly automated ATC systems
p 506 A95-95165
Data link air traffic control and flight deck environments: Experiment in flight crew performance
p 510 A95-95202
First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918
Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399

Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
Is there a role for a test controller in the development of new ATC equipment? p 542 N95-34778
The successful management of programs for human factors certification of advanced aviation technologies p 543 N95-34780
Evaluation in context: ATC automation in the field p 543 N95-34781
Improving air traffic control: Proving new tools or approving the joint human-machine system? p 543 N95-34783

AIR TRAFFIC CONTROLLERS (PERSONNEL)
Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743
Improving situation awareness displays for air traffic controllers p 520 A95-95088
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control p 521 A95-95094
A computerized selection test for Canadian forces Air Traffic Controllers p 498 A95-95103
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
The development of cognitive tasks for the selection of air traffic control personnel p 499 A95-95105
Tracking the visual scan of air traffic controllers p 522 A95-95166
Air traffic controller resource management p 506 A95-95167
Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers
[DOT/FAA/AM-94/13] p 19 N95-10144
Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204
Practical color vision tests for air traffic control applicants: En route center and terminal facilities
[DOT/FAA/AM-95/13] p 393 N95-27323
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373
Presentation of a Swedish study program concerning recruitment, selection and training of student air traffic controllers: The MRU project phase 1 p 535 N95-34775
Improving air traffic control: Proving new tools or approving the joint human-machine system? p 543 N95-34783

AIR TRANSPORTATION
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Test and evaluation of the Impact Instrumentations, Inc. Uni-Vent model 750M ventilator
[AD-A292321] p 470 N95-28792
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation p 471 N95-29624
Care in the air: A system analysis of clinical outcomes in aeromedical evacuation p 472 N95-29626
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627

AIR WATER INTERACTIONS
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (1) --- Abstract only p 108 A95-63764
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (2) --- Abstract only p 110 A95-63779
The formation of 'minimal protocell': Thermodynamical and mechanical aspects --- Abstract only p 125 A95-63851
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble
[HTN-95-A0114] p 198 A95-68897

AIRBORNE EQUIPMENT
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094

AIRBORNE RADAR
Developments in ground-penetrating radar at LLNL
[DE94-012236] p 95 N95-13671

AIRCRAFT
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053

AIRCRAFT ACCIDENT INVESTIGATION
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
Human factors training for the investigator: The results of a systems approach to training development p 523 A95-95207

AIRCRAFT ACCIDENTS
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
Confusion on the flight deck p 496 A95-95077
ASRS and aviation psychology p 510 A95-95206
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Is the pilot fit for flying after an accident? p 164 N95-19425
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
[AD-A291856] p 456 N95-29434
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489

AIRCRAFT COMMUNICATION
Delayed pilot recognition in lost communication events p 520 A95-95086
The influence of air traffic control message length and timing on pilot communication p 520 A95-95087

AIRCRAFT COMPARTMENTS
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
Living in space
[NASA-TM-110536] p 314 N95-23274
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365

AIRCRAFT CONTROL
Understanding the determinants of problem-solving behavior in a complex environment
[HTN-95-20753] p 390 A95-86643
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579
Identification of pilot dynamics including feedback structures p 454 A95-91580
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
Human performance in the modern cockpit p 171 N95-16764
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
Human piloting factors in the design of control laws for precision landing p 537 N95-33605
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

AIRCRAFT DESIGN
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
Human engineering analysis for the high speed civil transport flight deck p 517 A95-95040
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
On-board crew-rest facilities p 522 A95-95134
Implications of object versus space based theories of attention in the design of the aircraft head-up display
[AD-A281791] p 22 N95-11326
Certification for civil flight decks and the human-computer interface p 544 N95-34784
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786

AIRCRAFT EQUIPMENT
Fuzzy clustering of facial form for prototyping environmental protection equipment
[DE94-014657] p 267 N95-22466
SPE(R)-OBOGS: On-board oxygen generating sustem p 472 N95-30267

AIRCRAFT GUIDANCE
Failure indications on a head-up display p 517 A95-95045
Knowledge-based guidance and control functions
[AGARD-AR-325] p 314 N95-23601

AIRCRAFT HAZARDS
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214

AIRCRAFT INSTRUMENTS
Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance p 516 A95-95039
Uses of part-task trainers in instrument flight training p 504 A95-95153

AIRCRAFT LANDING
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
Human piloting factors in the design of control laws for precision landing p 537 N95-33605

AIRCRAFT MAINTENANCE
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696

AIRCRAFT MANEUVERS
Synthetic terrain imagery for Helmet-Mounted Display p 518 A95-95052
Effects of pilot background and experience on air combat maneuvering (ACM) performance p 498 A95-95101
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148
Negative to positive Gz acceleration transition p 532 N95-34052

AIRCRAFT NOISE
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365

AIRCRAFT PILOTS
Pilot-candidate selection method: Sources of validity
[HTN-95-A0502] p 259 A95-72573
Information presentation for expert systems in future fighter aircraft
[HTN-95-92291] p 397 A95-85335
Understanding the determinants of problem-solving behavior in a complex environment
[HTN-95-20753] p 390 A95-86643
P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579
Identification of pilot dynamics including feedback structures p 454 A95-91580
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848
Greyout, blackout, and G-loss of consciousness in the Brazilian air force: A 1991-92 survey
[HTN-95-12211] p 448 A95-91911
Excimer laser photorefractive keratectomy (PRK) for myopia - present status: Aerospace considerations
[HTN-95-12214] p 429 A95-91914

International Symposium on Aviation Psychology, 7th, Columbus, OH, April 26-29, 1993. Vols. 1 & 2
[HTN-95-52325] p 494 A95-95037
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041
A comparison of performance with visual and auditory displays in a simulated target localization task p 517 A95-95042
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight p 494 A95-95047
Synthetic terrain imagery for Helmet-Mounted Display p 518 A95-95052
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053
Categorization and prioritization of flight deck information p 495 A95-95054
Cognitive representations of flight-deck information attributes p 495 A95-95055
Taking risks and taking advice: The role of experience in airline pilot diversions p 496 A95-95071
Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
Expertise in aeronautical decision making: A cognitive skill analysis p 496 A95-95073
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
Natural scene templates as cueing devices p 520 A95-95082
Understanding pilots' performance: An empirical scrutiny p 497 A95-95084
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
Preliminary analysis of pilot ratings of 'part line' information importance p 521 A95-95093
Experimental evaluation of aging and pilot performance p 497 A95-95096
Practice effects on the WOMBAT device p 498 A95-95097
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098
Meta-analysis of aircraft pilot selection procedures p 498 A95-95100
Effects of pilot background and experience on air combat maneuvering (ACM) performance p 498 A95-95101
Personality scales as predictors for job success of airlines pilots p 499 A95-95106
Finding the right stuff: Personality studies of airline pilots p 499 A95-95107
The co-pilot: Pilot's 'mate' or pilot-in-the-making? a study of ambiguity and conflict in the cockpit p 499 A95-95109
Beyond reason: The non judgmental path of least resistance to graceful CRM p 499 A95-95110
Low-level alcohol effects on pilot readback performance: An exploratory study p 489 A95-95132
Anxiety and eye-hands-legs coordination in young pilots p 502 A95-95133
Illness, drugs, fatigue and stress in the cockpit reported by pilots p 489 A95-95136
Recognizing subtle physiological cues: Training to prevent pilot incapacitation p 489 A95-95138
The need for a basic psychological curriculum to augment CRM training p 503 A95-95145
New diagnostic tools for measuring learning behavior in pilot trainees p 503 A95-95146
Seven aeronautical pyramides p 503 A95-95147
Uses of part-task trainers in instrument flight training p 504 A95-95153
The integration of visual simulation in beginning flight training p 504 A95-95154
Scene content, field of view and amount of training in first officer training p 505 A95-95155
A method for specifying observations in team training p 505 A95-95157
The development of subjective measure of work underload p 506 A95-95170
The options of pilots flying automated corporate aircraft with regard to their perceived workload p 507 A95-95173
Attentional tunneling and the head-up display p 522 A95-95176
Development of electrophysiological measures of GA pilot workload p 507 A95-95178
Mail pilots and mischief: Meeting goals and violating rules p 510 A95-95200
The effects of boredom on reaction time in the cockpit p 510 A95-95209
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768
Aviation Epidemiology Data Register: Gender-specific attrition from the trained US Army aviator cohort of 1988
[AD-A284395] p 92 N95-15810
Aviation epidemiology data register: Age-specific medical and nonmedical attrition rates among Fort Rucker civilian aviators
[AD-A284970] p 146 N95-16132
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
Is the pilot fit for flying after an accident? p 164 N95-19425
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
The NAMI syncope test battery and clinical decision-making in aviators with syncope p 164 N95-19428
Think health not disease p 164 N95-19429
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
Age 60 study. Part 1: Bibliographic database
[AD-A286245] p 257 N95-22027
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
Aviation epidemiology data register
[AD-A279303] p 352 N95-24423
Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
[AD-A291856] p 456 N95-29434
Using computerized neuropsychological testing to assess aviator skills
[AD-A293227] p 511 N95-30905
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056
Selection and training of MiG-29 and future fighter pilots p 534 N95-34059
G-protection capabilities and current G-protection issues p 538 N95-34060
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
A psychologist's view of validating aviation systems p 540 N95-34767
Certification of tactics and strategies in aviation p 541 N95-34768
Certification of training p 535 N95-34774
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

AIRCRAFT SAFETY

Undetected neuropsychophysiological sequelae of khat chewing in standard aviation medical examination
[HTN-95-01210] p 444 A95-91442
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
On the use of the systems approach to certify advanced aviation technologies p 540 N95-34765
Towards a framework of human factors certification of complex human-machine systems p 542 N95-34779
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

AIRLINE OPERATIONS

An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
Distributed problem solving by pilots and dispatchers p 495 A95-95065
Human factors in incident reporting p 522 A95-95124
The future of LOFT scenario design and validation p 501 A95-95128
Use of ASRS data in an arline Human Factors department p 523 A95-95205
The effects of Crew Resource Management (CRM) training in airline maintenance: Results following three year's experience
[NASA-CR-196696] p 394 N95-28676

AIRPORT SECURITY

Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535

AIRPORT TOWERS

Computer human interface design in tower air traffic control for aircraft flight data management p 521 A95-95095

AIRPORTS

Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214

AIRSPACE

Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743

AIRSPEED

Human piloting factors in the design of control laws for precision landing p 537 N95-33605

ALANINE
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions --- Abstract only p 111 A95-63782
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? --- Abstract only p 114 A95-63799
Amino acid stereochemistry in cosmogeochemical samples and the origin of amino acid chirality on Earth --- Abstract only p 129 A95-63867
Inhibition of amino acid metabolic enzymes by alpha-aminoisobutyric acid --- Abstract only p 131 A95-63876
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
ALASKA
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618
ALBUMINS
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
Evans blue dye in the assessment of permeability-surface area product in perfused rat lungs
[HTN-95-A0155] p 208 A95-68938
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
ALCOHOLS
Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336
Low-level alcohol effects on pilot readback performance: An exploratory study p 489 A95-95132
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934
ALDOSTERONE
Inhibition of aldosterone release by hypoxia in vitro: Interaction with carbon monoxide
[HTN-95-60031] p 67 A95-62139
ALERTNESS
Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854
First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864
Locus coeruleus, vigilance and stress: Brain mechanisms of adaptive behavioral responsiveness
[AD-A282450] p 169 N95-16377
Alertness management in two-person long-haul flight operations p 170 N95-16760
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] p 312 N95-22579
ALGAE
Stromatolitc microbial mats in perennially ice-covered Antarctic lakes --- Abstract only p 128 A95-63864
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
Energetic metabolism response in algae and higher plant species from simulation experiments with the clinostat p 410 A95-87500
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884
ALGORITHMS
Constructing visual perception
[HTN-95-81495] p 375 A95-85209
Algorithm for real-time detection of QRS complex in ECG signal
[HTN-95-93118] p 491 A95-95619
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642
Simulation of arthroscopic surgery using MRI data p 145 N95-15975
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
Attempt to interpret the self-organizing mapping physiologically
[PB95-127783] p 247 N95-21112
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376
Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917
ALKALI METALS
Self-assembly of a double-helical complex of sodium
[BTN-94-EIX94401310330] p 305 A95-76505
ALKALOIDS
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702
ALKALOSIS
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
ALKANES
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere --- Abstract only p 113 A95-63790
ALKYLATION
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
ALLOTROPY
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
ALPHA PARTICLES
Mechanisms for the polymerization of nucleotides by alpha-particle radiolysis in aqueous solution --- Abstract only p 121 A95-63832
ALTERNATING CURRENT
Automated integration of genomic physical mapping data via parallel simulated annealing
[DE95-008057] p 382 N95-27725
ALTERNATIVES
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
ALTITUDE ACCLIMATIZATION
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs
[HTN-95-A0597] p 272 A95-74298
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Time course of augmentation and depression of hypoxic ventilatory responses at altitude
[HTN-95-A0615] p 276 A95-74316
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960
Alterations in respiratory control during 8 h of isocapnic and poikilocapnic hypoxia in humans
[HTN-95-00444] p 330 A95-81961
ALTITUDE CONTROL
Altitude control: Effects of texture and global optical flow p 497 A95-95080
ALTITUDE SICKNESS
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325
Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714
Non-invasive detection of increased intracranial pressure using acoustical techniques
[AD-A279292] p 351 N95-24309
ALTITUDE SIMULATION
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960
Alterations in respiratory control during 8 h of isocapnic and poikilocapnic hypoxia in humans
[HTN-95-00444] p 330 A95-81961
ALUMINUM FLUORIDES
Effect of fluoride on cardiopulmonary function and release of eicosanoids in pigs
[HTN-95-91898] p 339 A95-82000
ALUMINUM OXIDES
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510
ALVEOLAR AIR
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
Ventilation and carbon dioxide exchange in exercising horses: Effect of inspired oxygen fraction
[HTN-95-91908] p 341 A95-82010
ALVEOLI
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Tidal volume and alveolar clearance of insoluble particles
[HTN-95-60057] p 74 A95-62165
Developmental differences in vascular responses to hypoxia in lungs of rabbits
[HTN-95-A0104] p 196 A95-68887
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data
[HTN-95-A0125] p 201 A95-68908
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
Structural composition of lung parenchymal strip and mechanical behavior during sinusoidal oscillation
[HTN-95-A0680] p 291 A95-74381
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
T model partition of lung and respiratory system impedances
[HTN-95-00427] p 326 A95-81944
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air p 31 N95-11806

AMBIENCE
Development and application of low-temperature AFM [AD-A291704] p 383 N95-28525
AMBIENT TEMPERATURE
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
AMBIGUITY
Effects of graphic and verbal probability information on command decision making [HTN-95-B0064] p 389 A95-85880
The co-pilot: Pilot's 'mate' or pilot-in-the-making? a study of ambiguity and conflict in the cockpit p 499 A95-95109
AMINES
Amino acid stability in hydrothermal vents — Abstract only p 138 A95-63916
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri [DE94-016222] p 306 N95-22873
AMINO ACIDS
Is nitric oxide involved in cutaneous vasodilation during body heating in humans? [HTN-95-70095] p 81 A95-62537
ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993 — Abstracts only [HTN-95-40049] p 105 A95-63744
Prebiotic synthesis of organic compounds: A review and new results — Abstract only p 106 A95-63747
The meteoritic record of presolar and early solar system organic chemistry — Abstract only p 183 A95-63755
Prebiotic organic compounds in Antarctic carbonaceous chondrites — Abstract only p 107 A95-63760
Investigations about alpha-aminoacid synthesis under prebiotic conditions — Abstract only p 107 A95-63761
The Strecker synthesis from interstellar precursors as a source of amino acids in carbonaceous chondrites: Deuterium retention during synthesis — Abstract only p 108 A95-63765
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions — Abstract only p 109 A95-63768
Cyanide polymers in the solar system: Miller-Urey revisited — Abstract only p 109 A95-63769
Characterization of hydrogen cyanide polymers and the Murchison meteorite: Implications for prebiotic and extraterrestrial chemistry — Abstract only p 109 A95-63770
The use of the ninhydrin reaction for the elimination of protein amino acids in cosmogeochemical samples — Abstract only p 109 A95-63771
Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile — Abstract only p 111 A95-63780
Ion irradiation of organic and biological materials — Abstract only p 111 A95-63781
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions — Abstract only p 111 A95-63782
Site of adsorption of nucleic bases and their derivatives on clay surfaces — Abstract only p 112 A95-63789
Template-directed synthesis — A summary — Abstract only p 113 A95-63794
An approach to prebiotic synthesis of oligoribonucleotides — Abstract only p 114 A95-63797
Origin of primitive translating systems — Abstract only p 114 A95-63798
An assemblage of free amino acids as a possible prebiotic enzyme — Abstract only p 115 A95-63806
Catalytic studies of biomimetic molecular systems and origin of life — Abstract only p 116 A95-63807
2-Aminopropionitrile polymer — Abstract only p 116 A95-63810
Nonenzymatic peptide formation and aminoacylation — Abstract only p 117 A95-63811
Poly-tRNA theory on the origin of mRNA and genetic codes — Abstract only p 117 A95-63813
Amino acid distribution in acient and derived proteins — Abstract only p 117 A95-63814
Evolution of the tRNA cloverleaf structure — Abstract only p 117 A95-63815
Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand — Abstract only p 118 A95-63816
Three stages during the evolution of the genetic code — Abstract only p 118 A95-63817
Recent investigations on a primitive tRNA model — Abstract only p 118 A95-63818
The origin of the genetic code: An approach on the base of the progene hypothesis — Abstract only p 120 A95-63826
Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin — Abstract only p 120 A95-63827
Correlations between structural and chemical properties of amino acids and their place in the genetic code table — Abstract only p 120 A95-63828
The reverse genetic code and the central dogma of molecular biology — Abstract only p 120 A95-63829
Cellular structures from amino acid thermolysates — Abstract only p 123 A95-63840
Syntheses of protein-like copoly (amino acids) — A possible route for the formation of photoprotein — Abstract only p 123 A95-63841
Phosphate compounds in precellular and early cellular energy conversion — Abstract only p 123 A95-63844
NMR studies on the weak interactions between amino acids and nucleotides — Abstract only p 126 A95-63853
Evidence that the protocell was also a protoneuron — Abstract only p 126 A95-63854
Revival of the concept of cold prehistory of life — Abstract only p 128 A95-63865
Did the very first self-replicating chemical systems need homochirality? — Abstract only p 129 A95-63866
Amino acid stereochemistry in cosmogeochemical samples and the origin of amino acid chirality on Earth — Abstract only p 129 A95-63867
Setting the stage for the emergence of the configurationally one-sided biosphere — Abstract only p 129 A95-63869
Electroweak enantioselection and the origin of life — Abstract only p 130 A95-63870
On the possible paths of optical (photochemical) activation of living matter — Abstract only p 130 A95-63872
Inhibition of amino acid metabolic enzymes by alpha-aminoisobutyric acid — Abstract only p 131 A95-63876
Evolution of biosynthesis of hydrophobic amino acids — Abstract only p 132 A95-63879
The early evolution of metabolic pathways — Abstract only p 132 A95-63880
Directed evolution of novel biosynthetic pathways to proline — Abstract only p 132 A95-63881
Thermodynamics of Strecker synthesis in hydrothermal systems — Abstract only p 134 A95-63888
Formation and alteration of organic compounds under submarine hydrothermal vent environments — Abstract only p 134 A95-63889
Relationships of essence and form in the origin of the genetic system — Abstract only p 136 A95-63905
Selective mutations in molecular evolution — Abstract only p 138 A95-63912
Amino acid stability in hydrothermal vents — Abstract only p 138 A95-63916
The phylogeny of tRNA molecules and the origin of the genetic code [HTN-95-10289] p 140 A95-64051
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite p 190 A95-66762
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
Origin of amino acids in the early solar system p 214 A95-66764
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Extinction of dinosaurs: A possible novel cause p 191 A95-66769
Chemical studies on the possible existence of life on Mars p 216 A95-66774
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
Direct interaction between amino acids and nucleotides as a possible physicochemical basis for the origin of the genetic code p 194 A95-66800
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB [HTN-95-00414] p 323 A95-81931
Catecholaminergic effects of prolonged head-down bed rests [HTN-95-00436] p 328 A95-81953
N(sup G)-nitro-L-arginine and phenylephrine have similar effects on the vascular waterfall in the canine hindlimb [HTN-95-91886] p 336 A95-81988
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise [HTN-95-91918] p 344 A95-82020
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Evolution of the biosynthesis of the branched-chain amino acids p 420 A95-88733
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
Electroweak enantioselection and the origin of life p 422 A95-88739
Effect of a chiral impulse on the weak interaction induced handedness in a prebiotic medium p 422 A95-88740
Speculations on the evolution of the genetic code IV the evolution of the aminoacyl-tRNA synthetases p 423 A95-88746
On the nature of mutations in molecular evolution p 423 A95-88747
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis [HTN-95-01237] p 427 A95-91469
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
Rational enzyme redesign [DE94-014565] p 29 N95-12677
Molecular approach to hypothalamic rhythms [AD-A285164] p 157 N95-16851
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering [DE95-003339] p 307 N95-22897
The origin of chirality in protein amino acids [DE94-628491] p 308 N95-23058
Genetic and biophysical studies of the photosynthetic reaction center [DE95-004179] p 346 N95-24850
AMINO RADICAL
Prebiotic molecules in comets — Abstract only p 183 A95-63756
AMINOPHYLLINE
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men [HTN-95-A0651] p 285 A95-74352
AMMONIA
Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite — Abstract only p 106 A95-63757
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Effect of glucose infusion on endurance performance after beta-adrenoceptor blocker administration [HTN-95-A0119] p 200 A95-68902
Effect of heat stress on muscle energy metabolism during exercise [HTN-95-70453] p 219 A95-71475
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise [HTN-95-91918] p 344 A95-82020
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015
The prebiotic role of adenine: A critical analysis p 420 A95-88732
AMMONIUM COMPOUNDS
Prebiotic molecules in comets — Abstract only p 183 A95-63756
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
AMMONIUM PERCHLORATES
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
AMPHETAMINES
Undetected neuropsychophysiological sequelae of khat chewing in standard aviation medical examination [HTN-95-01210] p 444 A95-91442
AMPHIBIA
The reaction of Xenopus laevis Daudin (South African toad) to linear accelerations [ISBN 0-08-042485-6] p 8 A95-60666
In vivo fertilization and development in microgravity using pleurodele ('Zeus' project) [ISBN 0-08-042485-6] p 9 A95-60667
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny [ISBN 0-08-042485-6] p 9 A95-60668
Formation of otoconia in the Japanese red-bellied newt, Cynops pyrrhogaster [ISBN 0-08-042485-6] p 9 A95-60670
AMPLIFICATION
Microbial communities in subsurface environments: Diversity, origin, and evolution [DE94-013699] p 27 N95-11737
ANAEROBES
The evolution of life without oxygen [HTN-95-42101] p 375 A95-83867
Microbiology and physiology of anaerobic fermentations of cellulose [DE95-002899] p 246 N95-20917
Resource recovery and epidemiology of anaerobic wastewater treatment process in a controlled ecological life support system [NASA-CR-197930] p 314 N95-23474

Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846

ANALOG TO DIGITAL CONVERTERS

Simulation of arthroscopic surgery using MRI data
p 145 N95-15975
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981

ANALOGIES

Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
Role of working memory limitations of retrieval
[AD-A280032] p 261 N95-20007
A cognitive architecture for solving ill-defined problems
[AD-A293582] p 512 N95-31686

ANALYSIS OF VARIANCE

Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403

ANATOMY

Evolution of the early vertebrates
[HTN-95-92319] p 376 A95-85363
The assessment of virtual reality for human anatomy instruction p 160 N95-18971

ANCHORS (FASTENERS)

M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361

ANEMIAS

Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252

ANESTHESIA

Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018

ANESTHESIOLOGY

Aviation psychology, group dynamics and human performance issues in anesthesiology
p 499 A95-95111

ANGIOGRAPHY

Aviation epidemiology data register: Coronary angiography outcomes of civilian aviators flying US aircraft
[AD-A285191] p 147 N95-16405

ANGIOSPERMS

Molecular relics from chemical evolution and the origin of life
[DE94-628493] p 308 N95-23060

ANGULAR ACCELERATION

Are otoconia dynamic in birds and mammals?
p 43 N95-15103
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934

ANGULAR VELOCITY

Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904
Dynamics of the G-excess illusion
p 155 N95-16771
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714

ANHYDRIDES

Chemical autopoiesis: Self-replicating micelles and vesicles --- Abstract only p 124 A95-63846

ANILINE

Oxidation of aniline on the metal ferrocyanides --- Abstract only p 112 A95-63787

ANIMALS

Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971
Some genetic aspects of adaptation to hyperdynamic environments p 86 N95-15100
Changing gravity level and the development of animals p 43 N95-15101
Interaction mechanisms and biological effects of static magnetic fields
[DE95-004929] p 347 N95-26169

ANISOTROPY

Setting the stage for the emergence of the configurationally one-sided biosphere --- Abstract only p 129 A95-63869
Electroweak enantioselection and the origin of life --- Abstract only p 130 A95-63870
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557

ANNOTATIONS

Situation awareness: Papers and annotated bibliography
[AD-A284752] p 173 N95-18084
Visual and auditory symbols: A literature review
[AD-A290222] p 472 N95-29908

ANOXIA

Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
Effect of Na(+) and K(+) channel blockade on baseline and anoxia-induced catecholamine release from rat carotid body
[HTN-95-70467] p 222 A95-71489
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983

ANTARCTIC REGIONS

Overwintering in the Antarctica as an analog for long term manned spaceflight
[ISBN-0-08-042485-6] p 15 A95-60686
Prebiotic organic compounds in Antarctic carbonaceous chondrites --- Abstract only p 107 A95-63760
Stromatolitc microbial mats in perennially ice-covered Antarctic lakes --- Abstract only p 128 A95-63864
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
Concordia Station p 23 N95-11602
Habitability of Australian Antarctic stations
p 24 N95-11603
Architectural concept of Antarctic station of a new generation p 24 N95-11604

ANTHROPOMETRY

Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects
[HTN-95-50860] p 236 A95-73050
Segmental bioelectrical impedance analysis: Theory and application of a new technique
[HTN-95-A0594] p 271 A95-74295
Biomedical imaging
[AD-A282221] p 32 N95-12405
Standards relevant to a NATO anthropometry survey using 3D imaging tools
[AD-A283065] p 39 N95-13055
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
Human force exertion in user-product interaction. Backgrounds for design
[PB95-132858] p 265 N95-21283
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365
Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907

ANTIADRENERGICS

Effect of glucose infusion on endurance performance after beta-adrenoceptor blocker administration
[HTN-95-A0119] p 200 A95-68902
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318
Cardiorespiratory changes during microwave-induced lethal heat stress and beta-adrenergic blockade
[HTN-95-A0625] p 279 A95-74326
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377

ANTIBIOTICS

The use of functional inhibitors in the study of ribosomal evolution --- Abstract only p 137 A95-63909
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251

ANTIBODIES

Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501
Treatment of murine lupus with CTLA4Ig
[BTN-95-EIX95302460580] p 488 A95-94245
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-196385] p 13 N95-10337
Analysis of electron microscope images: 3-D localization of immuno-markers
[PB94-197977] p 41 N95-13990
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-197367] p 246 N95-20559
Cofactor-assisted antibody catalysis
[AD-A288929] p 379 N95-26608

ANTICHOLINERGICS

Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068

ANTIDIURETICS

Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation
p 89 N95-15130

ANTIEMETICS AND ANTINAUSEANTS

Effects of anti-emetics on motion sickness of rats
p 416 A95-88575
Acute radiation sickness amelioration analysis
[AD-A279084] p 256 N95-21629

ANTIGENS

How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501
Pair-rule expression patterns of even-skipped are found in both short- and long-germ beetles
[BTN-94-EIX94401310327] p 305 A95-76502
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982
Treatment of murine lupus with CTLA4Ig
[BTN-95-EIX95302460580] p 488 A95-94245
Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435
Diagnostic antigens of Leishmania
[AD-A288805] p 381 N95-27097

ANTIGRAVITY

Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138

ANTIHYPERTENSIVE AGENTS

Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10098] p 58 A95-61949
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359

ANTIINFECTIVES AND ANTIBACTERIALS

Microbial control of the space suit assembly for space station freedom
[SAE PAPER 932103] p 461 A95-90347
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381

ANTIOXIDANTS

Dimethyl sulfoxide depresses skeletal muscle contractility
[HTN-95-70083] p 78 A95-62525
Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs
[HTN-95-70478] p 225 A95-71500

Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060
Effects of N-acetylcysteine on in vitro diaphragm function are temperature dependent
[HTN-95-50874] p 239 A95-73064
N-acetylcysteine depresses contractile function and inhibits fatigue of diaphragm in vitro
[HTN-95-A0616] p 276 A95-74317
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952

ANTIRADIATION DRUGS
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
Acute radiation sickness amelioration analysis
[AD-A279084] p 256 N95-21629

ANTISEPTICS
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381

ANTISYMMETRY
Can biological homochirality result from a phase transition? — Abstract only p 130 A95-63871

ANXIETY
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
Anxiety and eye-hands-legs coordination in young pilots p 502 A95-95133
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472

AORTA
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
Using laser spectroscopy to diagnose disease p 434 A95-87829
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence p 435 A95-87832

APOLLO PROJECT
The great lunar quarantine — Apollo Project's post-mission quarantine
[HTN-95-A0582] p 384 A95-83162
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design
[NASA-TM-108846] p 37 N95-11905

APOLLO 11 FLIGHT
The great lunar quarantine — Apollo Project's post-mission quarantine
[HTN-95-A0582] p 384 A95-83162

APPLICATIONS PROGRAMS (COMPUTERS)
Night Vision Goggles (NVG) software user's guide, version 5.1
[AD-A284563] p 179 N95-18029
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610

APPROACH
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053

APPROXIMATION
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552
Estimation of spatially restricted LET using track structure models p 527 N95-32722

APTITUDE
Practice effects on the WOMBAT device p 498 A95-95097
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098
Cognitive/self-regulatory aptitudes and instructional methods for complex skill learning
[AD-A280937] p 20 N95-10536
The effect of response format on reliability estimates for tacit knowledge scales
[AD-A283547] p 94 N95-15326

AQUATIC PLANTS
C.E.B.A.S. mini module: Test results of an artificial (man-made) aquatic ecosystem p 477 A95-93771

AQUEOUS SOLUTIONS
Kinetics of dimerization and oligomerization of the 5'-phosphorimidazolide of adenosine on Na(+)-montmorillonite — Abstract only p 121 A95-63835
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis
[HTN-95-01237] p 427 A95-91469
Establishing and maintaining specific pathogen free (SPF) conditions in aqueous solutions using ozone p 482 A95-93810

ARAMID FIBER COMPOSITES
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766

ARCHAEBACTERIA
Molecular modelling of cellular and precellular membrane systems — Abstract only p 125 A95-63849
How complex was the last common ancestor? — Abstract only p 137 A95-63908
Structure and evolution of an RNA enzyme: Ribonuclease P. — Abstract only p 137 A95-63910
Isoprenylglycerol diethers in non-alkaline recent and miocene evaporitic environments — Abstract only p 138 A95-63913
Archaebacterial ribulose bisphosphate carboxylase — Abstract only p 138 A95-63914
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily — Abstract only p 139 A95-63918
Lipids of archaebacteria — Abstract only p 140 A95-63924
On the isolation of halophilic microorganisms from salt deposits of great geological age p 28 N95-11966
Investigation of pressure regulation in an archaebacterial enzyme
[AD-A281413] p 142 N95-16164
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873

ARCHITECTURE
Architectural concept of Antarctic station of a new generation p 24 N95-11604

ARCHITECTURE (COMPUTERS)
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
Top ten list of user-hostile interface design
[DE95-001602] p 266 N95-21721

ARGON
The origin and early evolution of the atmospheres of the inner planets — Abstract only p 182 A95-63752
Titan's atmosphere composition: Certainties and speculations p 217 A95-66792

ARID LANDS
Biochemical constraints for survival under martian conditions p 192 A95-66778

ARM (ANATOMY)
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin
[HTN-95-10069] p 50 A95-61920
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
Coordination of human upper arm and forearm motion in rapid extensions p 101 N95-14056

ARMED FORCES
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
Myers-Briggs type indicators and Kirton adaption-innovation inventory correlations
[AD-A288435] p 393 N95-27181

ARMED FORCES (FOREIGN)
Psychosocial stress and mental health in a forward-deployed military community
[AD-A285940] p 263 N95-22323

ARMED FORCES (UNITED STATES)
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
[AD-A291856] p 456 N95-29434
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370
Aerospace physiology AFSC 4M0X1
[AD-A294839] p 532 N95-34564

AROUSAL
Color and physiological arousal p 21 N95-11621

ARRAYS
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900

ARRHYTHMIA
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940

ARTEMIA
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659

ARTERIES
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942
Contribution of arterial feed vessels to skeletal muscle functional hyperemia
[HTN-95-10099] p 58 A95-61950
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree
[HTN-95-A0121] p 200 A95-68904
Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995
Neutral endopeptidase modulates substance P-induced vasodilation in vivo
[HTN-95-91897] p 339 A95-81999
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
Arterial and arteriolar contributions to skeletal muscle functional hyperemia in spontaneously hypertensive rats
[HTN-95-21565] p 366 A95-83350
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831

Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223

Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15008

Manipulating the arterial pressure to prevent G-LOC p 88 N95-15123

Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127

Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149

Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale [PB95-195319] p 487 N95-30515

ARTHRITIS

Sex as a determining factor in the effect of exercise on in vivo autoimmune response adjuvant arthritis [HTN-95-10116] p 62 A95-61967

ARTHROPODS

The unique visual system of the mantis shrimp [HTN-95-92323] p 376 A95-85367

ARTIFICIAL GRAVITY

Artificial gravity as a countermeasure of physiological deconditioning in space [ISBN 0-08-042485-6] p 15 A95-60683

Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614

The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect) [HTN-95-01207] p 444 A95-91439

On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans p 88 N95-15120

ARTIFICIAL INTELLIGENCE

Qualitative reasoning methods for CELSS modeling p 515 A95-93798

Towards a human operator model of the navigator [PB94-197985] p 179 N95-17468

Intelligent tutoring systems: Past, present, and future [AD-A280011] p 261 N95-19970

13th European Annual Conference on Human Decision Making and Manual Control [PB95-132874] p 262 N95-21284

Discovering related DNA sequences via mutual information [DE95-001101] p 249 N95-22067

An improved system for exon recognition and gene modeling in human DNA sequences [DE94-017863] p 307 N95-22890

Knowledge-based guidance and control functions [AGARD-AR-325] p 314 N95-23601

POINTER: Portable Intelligent Trainer for External Robotics p 315 N95-23714

Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification [AD-A289399] p 401 N95-26884

Human factors in aviation maintenance, phase 4 [DOT/FAA/AM-95/14] p 402 N95-27696

Proceedings of the 33d SICE (the Society of Instrument and Control Engineers) Annual Conference, part 1 [DE95-758947] p 430 N95-28947

Interaction and intelligent behavior [AD-A290049] p 457 N95-29443

A cognitive architecture for solving ill-defined problems [AD-A293582] p 512 N95-31686

ARTIFICIAL SATELLITES

Arm trajectory design of a space robot p 394 A95-82466

ASBESTOS

Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release [HTN-95-21574] p 368 A95-83359

ASCORBIC ACID

Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats [HTN-95-93122] p 486 A95-95623

Copper metabolism in rats fed ascorbic acid or restricted amounts of copper [PB94-191343] p 28 N95-11902

ASPARTIC ACID

Thermal hetercomplex molecules from amino acids and their catalytic capabilities --- Abstract only p 122 A95-63839

Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein --- Abstract only p 123 A95-63841

Autocatalytic accretion of prebiotic molecules in aqueous environments --- Abstract only p 123 A95-63842

Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763

Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise [HTN-95-91918] p 344 A95-82020

ASPERGILLUS

Biochemical constraints for survival under martian conditions p 192 A95-66778

Studies in the search for life on Mars p 192 A95-66779

ASSAYING

Development of an in vitro model assay system for the evaluation of the effects of toxic chemicals on human airways [AD-A285074] p 148 N95-16491

Monoclonal antibodies directed against surface molecules of multicell spheroids [NASA-CR-197367] p 246 N95-20559

ASSEMBLING

Automated integration of genomic physical mapping data via parallel simulated annealing [DE95-008057] p 382 N95-27725

ASSESSMENTS

The roles of immediacy and redundancy in relative subjective workload assessment [HTN-95-B0067] p 389 A95-85883

Experimental evaluation of aging and pilot performance p 497 A95-95096

Subjective workload profile p 507 A95-95175

Developing subjective and objective metrics of pilot situation awareness p 508 A95-95183

Reliability and validity assessments of task analyses using Miller's terminology p 508 A95-95187

Pathfinder analysis of Miller's task analysis terminology p 510 A95-95208

The way to waivers in the BAF p 161 N95-19415

An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program [DE95-008097] p 387 N95-28136

US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987 [AD-A291856] p 456 N95-29434

ASSIMILATION

Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean [NASA-CR-197098] p 141 N95-15961

The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E [DE95-005687] p 347 N95-25383

ASTEROID MISSIONS

Exobiology opportunities from Discovery-class missions --- Abstract only p 184 A95-63890

ASTHENOPIA

Eyestrain in virtual environments p 490 A95-95162

ASTHMA

Effects of airway parasympathetic tone on reponses to intravenous bronchoconstrictor agonists in rats [HTN-95-70489] p 227 A95-71511

Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs [HTN-95-91903] p 340 A95-82005

Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP [HTN-95-91904] p 340 A95-82006

Comparison of airline passenger oxygen systems [HTN-95-01217] p 444 A95-91449

ASTRONAUT LOCOMOTION

Human factors assessments of the STS-57 SpaceHab-1 mission [NASA-TM-104802] p 36 N95-11878

ASTRONAUT MANEUVERING EQUIPMENT

Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design [NASA-TM-108846] p 37 N95-11905

ASTRONAUT PERFORMANCE

Human factors assessments of the STS-57 SpaceHab-1 mission [NASA-TM-104802] p 36 N95-11878

Geometry and gravity influences on strength capability [NASA-TP-3511] p 180 N95-18189

ASTRONAUT TRAINING

Training for life science experiments in space at the NASA Ames Research Center p 37 N95-11964

The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts [NASA-TM-108840] p 83 N95-13661

Psychological training of NASA astronauts for extended missions p 171 N95-16763

POINTER: Portable Intelligent Trainer for External Robotics p 315 N95-23714

Formalizing procedures for operations automation, operator training and spacecraft autonomy p 315 N95-23720

ASTRONAUTS

Ethological experiments on human orientation behavior within a three-dimensional space-in microgravity [ISBN-0-08-042485-6] p 15 A95-60684

The great lunar quarantine --- Apollo Project's post-mission quarantine [HTN-95-A0582] p 384 A95-83162

Medical and surgical evaluation and care of illness in space [NASA-CR-196280] p 17 N95-10937

Developing an international astronaut team p 20 N95-11607

Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design [NASA-TM-108846] p 37 N95-11905

Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223

Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1) p 84 N95-14224

Proposal for an astronaut mass measurement device for the Space Shuttle [NASA-CR-197198] p 103 N95-14854

Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090

Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099

Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130

Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749

Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761

Validation of astronaut psychological select-in criteria p 171 N95-16762

Astronaut selection (NASA-MIPR) [AD-A292512] p 456 N95-29162

Electromyostimulation, circuits and monitoring [NASA-TM-110741] p 492 N95-30846

The role of the vestibular system in manual target localization p 533 N95-32422

Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428

ASTRONOMICAL SPECTROSCOPY

Laboratory astrophysics and molecular astronomy of pure carbon molecules p 189 A95-66753

Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754

Polycyclic aromatic hydrocarbon ions and the diffuse interstellar bands p 194 A95-66804

Isotopic ratios in planetary atmospheres p 218 A95-66806

ASYMMETRY

On the possible paths of optical (photochemical) activation of living matter --- Abstract only p 130 A95-63872

ASYMPTOTIC PROPERTIES

Competition in the chemostat: Global asymptotic behavior of a model with delayed response in growth [BTN-94-EIX94341340323] p 27 A95-60859

ATAXIA

Disorientation and postural disequilibrium from simulated flight p 490 A95-95164

ATELECTASIS

Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs [HTN-95-A0673] p 290 A95-74374

ATHLETES

Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects [HTN-95-50860] p 236 A95-73050

Maximal aerobic capacity and total blood volume in highly trained middle-aged and older female endurance athletes [HTN-95-A0643] p 283 A95-74344

PMN cell counts and phagocytic activity of highly trained athletes depend on training period [HTN-95-A0646] p 284 A95-74347

ATMOSPHERIC CHEMISTRY

The vertical distribution and origin of HCN in Neptune's atmosphere [HTN-95-70123] p 181 A95-63436

The chemical reactivity of the Martian soil and implications for future missions [HTN-95-70125] p 182 A95-63438

Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere [HTN-95-60818] p 317 A95-76885

Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest p 473 A95-89216

ATMOSPHERIC CIRCULATION
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: Initial results from biosphere 2 p 516 A95-93814

ATMOSPHERIC COMPOSITION
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
Titan's atmosphere composition: Certainties and speculations p 217 A95-66792
The physical nature of Titan's aerosols: Laboratory simulations p 193 A95-66794
Raindrops on Titan p 218 A95-66795
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162
Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest p 473 A95-89216
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature p 473 A95-89217
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383

ATMOSPHERIC ENTRY
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162

ATMOSPHERIC MODELS
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
Discrete velocity model for an escaping single-component atmosphere
[HTN-95-50283] p 187 A95-65778
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015
CELSS: Possible contributions to earth science program and others p 514 A95-93775

ATMOSPHERIC PHYSICS
Discrete velocity model for an escaping single-component atmosphere
[HTN-95-50283] p 187 A95-65778

ATMOSPHERIC PRESSURE
Life on Mars? 1: The chemical environment p 215 A95-66772
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386
A proposal to study gender differences in the rates of decompression sickness
[AD-A281854] p 147 N95-16297

ATOMIC ENERGY LEVELS
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848

ATOMIC FORCE MICROSCOPY
Development and application of low-temperature AFM
[AD-A291704] p 383 N95-28525

ATROPHY
Terrestrial applications of bone and muscle research in microgravity
[ISBN 0-08-042485-6] p 14 A95-60676
Acute effects of hindlimb unweighting on satellite cells of growing skeletal muscle
[HTN-95-10059] p 48 A95-61910
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Modulation of IGF mRNA abundance during stretch-induced skeletal muscle hypertrophy and regression
[HTN-95-70078] p 76 A95-62520
A review of muscle atrophy in microgravity and during prolonged bed rest
[HTN-95-90825] p 250 A95-71340
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
Crustaceans as a model for microgravity-induced muscle atrophy p 413 A95-87515
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project, Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
Influence to organs by ten weeks tail suspension p 45 N95-15142
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
Skeletal muscle responses to unloading in humans p 150 N95-16743
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846

ATROPINE
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297

ATTACHMENT
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766

ATTENTION
Blink rate: A possible measure of fatigue
[HTN-95-B0073] p 377 A95-85889
Attentional limitations with Head-Up Displays p 494 A95-95046
Attention in a multi-task environment p 506 A95-95168
Attentional tunneling and the head-up display p 522 A95-95176
Cockpit attention and task management: Situation awareness in the tactical fighter p 508 A95-95186
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864
Perception of auditory events: Attentional limitations
[AD-A284399] p 95 N95-15770
Intermediate levels of visual processing
[AD-A284922] p 261 N95-19998
Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] p 312 N95-22579

ATTENUATION
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880

ATTITUDE (INCLINATION)
Individual differences in pilot situation awareness
[HTN-95-40884] p 259 A95-72261
Effects of lateral tilt on optokinetic nystagmus, aftermystagmus, and eye tracking in humans p 384 A95-82603
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Synthetic terrain imagery for Helmet-Mounted Display p 518 A95-95052
Hemodynamic responses to passive body tilts p 86 N95-15096
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
Aviation spatial orientation in relationship to head position, attitude interpretation, and control
[AD-A281869] p 170 N95-16433
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
Dynamics of the G-excess illusion p 155 N95-16771
The efficacy of periodic + Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
Improved operator awareness of teleoperated land vehicle attitude
[AD-A290443] p 471 N95-29359

ATTITUDE CONTROL
Arm trajectory design of a space robot p 394 A95-82466
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
Aviation spatial orientation in relationship to head position, attitude interpretation, and control
[AD-A281869] p 170 N95-16433

ATTITUDE INDICATORS
Aviation spatial orientation in relationship to head position, attitude interpretation, and control
[AD-A281869] p 170 N95-16433

AUDIO EQUIPMENT
Virtual acoustic displays p 98 N95-14035

AUDIOMETRY
Monitoring audiometry in hearing conservation programs
[AD-A282024] p 83 N95-14145

AUDITORY DEFECTS
Monitoring audiometry in hearing conservation programs
[AD-A282024] p 83 N95-14145

AUDITORY PERCEPTION
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
Speech intelligibility and protective effectiveness of selected active noise reduction and conventional communicatios headsets
[HTN-95-B0075] p 377 A95-85891
Effects of Noise on Hearing 5th International Symposium
[AD-A281439] p 33 N95-13177
Auditory interfaces: The human perceiver p 96 N95-14015
Perception of auditory events: Attentional limitations
[AD-A284399] p 95 N95-15770
Signal- and listener- based factors in complex auditory pattern perception
[AD-A285636] p 262 N95-21101
Psychophysical evaluation of three-dimensional auditory displays
[NASA-CR-198010] p 353 N95-24564
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041

AUDITORY SIGNALS
Perception of complex auditory patterns
[AD-A284189] p 159 N95-18626
Signal- and listener- based factors in complex auditory pattern perception
[AD-A285636] p 262 N95-21101

Psychophysical evaluation of three-dimensional auditory displays
[NASA-CR-198010] p 353 N95-24564
Visual and auditory symbols: A literature review
[AD-A290222] p 472 N95-29908
AUDITORY STIMULI
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421
Auditory interfaces: The human perceiver
p 96 N95-14015
Perception of auditory events: Attentional limitations
[AD-A284399] p 95 N95-15770
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
AUDITORY TASKS
Speech intelligibility and protective effectiveness of selected active noise reduction and conventional communicatios headsets
[HTN-95-B0075] p 377 A95-85891
A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia
[HTN-95-12206] p 447 A95-91906
A comparison of performance with visual and auditory displays in a simulated target localization task
p 517 A95-95042
AUGMENTATION
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
AASERT-92 augmentation of research training in chronobiology: Regulation of the mammalian circadian clock by neurotransmitters
[AD-A288243] p 487 N95-31144
AUSTRALIA
Habitability of Australian Antarctic stations
p 24 N95-11603
The use of radioisotopes in human experiments: Comments in response to recent media articles
[DE95-605680] p 354 N95-25981
AUTOMATA THEORY
Studies of novel popout
[AD-A285237] p 169 N95-16244
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468
AUTOMATIC CONTROL
Chemical autopoiesis: Self-replicating micelles and vesicles --- Abstract only p 124 A95-63846
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
Aircrew acceptance of automation in the cockpit
[CONGRESS PAPER C428-30-179]
p 512 A95-93614
Systems approach to instrumenting and controlling plant growth systems p 477 A95-93782
Object-oriented model-driven control
p 515 A95-93799
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects
p 481 A95-93804
Human performance in the modern cockpit
p 171 N95-16764
13th European Annual Conference on Human Decision Making and Manual Control
[PB95-132874] p 262 N95-21284
Knowledge-based guidance and control functions
[AGARD-AR-325] p 314 N95-23601
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
Automation and crew time saving in the space experiment p 315 N95-23715
Evaluation in context: ATC automation in the field
p 543 N95-34781
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems
p 544 N95-34787
AUTOMATIC PILOTS
Aviation spatial orientation in relationship to head position, attitude interpretation, and control
[AD-A281869] p 170 N95-16433
AUTOMATION
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
Effect of task load and task load increment on performance and workload p 519 A95-95058
Operator versus computer control of adaptive automation p 519 A95-95059
Task specific effects of automation and automation failure on performance, workload, and situation awareness p 519 A95-95060
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
The role of expert systems in future cooperative tools for air traffic controllers p 521 A95-95089
Commercial flight crew selection for automated flight decks p 521 A95-95099
The impact of automation on crew communication and performance p 501 A95-95125
Automation design and crew coordination
p 522 A95-95126
Analysis of communication in the standard versus automated aircraft p 501 A95-95127
A training approach for highly automated ATC systems
p 506 A95-95165
The options of pilots flying automated corporate aircraft with regard to their perceived workload
p 507 A95-95173
The effect of taskload projection on automation use, performance, and workload p 523 A95-95181
The effects of boredom on reaction time in the cockpit
p 510 A95-95209
Knowledge-based guidance and control functions
[AGARD-AR-325] p 314 N95-23601
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
Task-dependent effects of automation: The role of internal models in performance, workload, and situational awareness in a semi-automated cockpit
[AD-A292538] p 470 N95-28969
AUTOMOBILES
Effects of aging, skill modification, and demand alternation on multiple-task performance
[HTN-95-B0110] p 378 A95-85926
Set of reachable positions for a car
[BTN-95-EIX95332423428] p 516 A95-95019
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667
AUTONOMIC NERVOUS SYSTEM
Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10098] p 58 A95-61949
Cardiac receptors modulate the renal sympathetic response to dynamic exercise in rabbits
[HTN-95-60032] p 67 A95-62140
Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
Effects of airway parasympathetic tone on reponses to intravenous bronchoconstrictor agonists in rats
[HTN-95-70489] p 227 A95-71511
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
Cardiovascular variability and baroreceptor reflex sensitivity over a 14 day tail suspension in rats
[HTN-95-91917] p 344 A95-82019
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
Heart rate and blood pressure variabilities during graded head-up tilt
[HTN-95-21579] p 369 A95-83364
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats
p 418 A95-88594
Color and physiological arousal p 21 N95-11621
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt
p 87 N95-15107
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
AUTONOMOUS NAVIGATION
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086
Using virtual active vision tools to improve autonomous driving tasks
[AD-A289175] p 392 N95-27013
AUTONOMY
Formalizing procedures for operations automation, operator training and spacecraft autonomy
p 315 N95-23720
AUTOPSIES
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20074
AVALANCHE DIODES
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
AVIATION PSYCHOLOGY
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
A multimodal method for assessing and treating airsickness
[HTN-95-90719] p 209 A95-69746
Strategic workload management and decision biases in aviation
[HTN-95-40883] p 259 A95-72260
Individual differences in pilot situation awareness
[HTN-95-40884] p 259 A95-72261
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
Effectiveness of PC-based flight simulation
[HTN-95-40886] p 259 A95-72263
Military aeromedical psychology training
[HTN-95-A0505] p 260 A95-72576
Crosscultural perspectives in human factors training: Lessons from the ICAO Human Factors Program
[HTN-95-A0506] p 260 A95-72577
International Symposium on Aviation Psychology, 7th, Columbus, OH, April 26-29, 1993. Vols. 1 & 2
[HTN-95-52325] p 494 A95-95037
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
Commercial flight crew selection for automated flight decks p 521 A95-95099
Aviation psychology, group dynamics and human performance issues in anesthesiology
p 499 A95-95111
Aeromedical psychology training p 503 A95-95142
The need for a basic psychological curriculum to augment CRM training p 503 A95-95145
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base
p 509 A95-95195
ASRS and aviation psychology p 510 A95-95206

Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768
Astronaut selection (NASA-MIPR)
[AD-A292512] p 456 N95-29162
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399

AXES (REFERENCE LINES)
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116
Integration of local features as a function of global goodness and spacing
[HTN-94-00404] p 19 A95-60124

AXONS
Characterization of neurotrophic and neurotropic interactions between neurons and their muscle and nerve targets
[AD-A281846] p 148 N95-16423

AZIMUTH
Digital glucosimeter-polarimeter for measuring the optical activity of solutions
[HTN-95-61167] p 399 A95-86266

AZOLES
Self-replicating oligonucleotides — Abstract only p 119 A95-63822
Enantioselective autocatalysis. 2: Racemization studies on a 1, 4-benzodiazepinooxazole derivative
[HTN-95-01239] p 428 A95-91471

B

BABOONS
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight p 42 N95-15094
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095

BACILLUS
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Studies in the search for life on Mars p 192 A95-66779
DNA stability and survival of Bacillus subtilis spores in extreme dryness p 423 A95-88748
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617

BACK INJURIES
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574

BACKGROUND NOISE
Visual and auditory symbols: A literature review
[AD-A290222] p 472 N95-29906

BACTERIA
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath)
[HTN-94-00465] p 1 A95-60154
Particle method for population waves
[BTN-94-EIX94341340324] p 27 A95-60860
New evidence of the antiquity of life — Abstract only p 126 A95-63855
Chroococcidiopsis, the most primitive living cyanobacterium? — Abstract only p 127 A95-63858
Stromatolitc microbial mats in perennially ice-covered Antarctic lakes — Abstract only p 128 A95-63864
Development and diversification of the last universal ancestor — Abstract only p 132 A95-63878
Evolution of biosynthesis of hydrophobic amino acids — Abstract only p 132 A95-63879
Early gene duplication and the origin of biochemical regulation — Abstract only p 133 A95-63882
Origin of eukaryotic cell -autogenous process from cyanobacterial world- — Abstract only p 133 A95-63885
Archigenetic hypothesis of the early cellular evolution — Abstract only p 134 A95-63887
Equally parsimonious pathways of RNA evolution may not be equally valid — Abstract only p 136 A95-63906
Symbiogenesis and species origin — Abstract only p 136 A95-63907
How complex was the last common ancestor? — Abstract only p 137 A95-63908
Structure and evolution of an RNA enzyme: Ribonuclease P. — Abstract only p 137 A95-63910
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase — Abstract only p 137 A95-63911
Can hyperthermophilic procaryotes tell us anything about the primitive earth? — Abstract only p 139 A95-63917
Biogeochemical evidence of microbial activity on Mars p 192 A95-66780
A primitive cyanobacterium as pioneer microorganism for terraforming Mars p 193 A95-66784
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
The evolution of life without oxygen
[HTN-95-42101] p 375 A95-83867
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370
Theories and models on the biological of cells in space p 408 A95-87486
Microbial control of the space suit assembly for space station freedom
[SAE PAPER 932103] p 461 A95-90347
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697
Conformation of membrane proteins: Bacteriorhodopsin
[AD-A281282] p 30 N95-13373
Bacterial luciferase: Determination of the structure by x-ray diffraction
[AD-A279699] p 246 N95-20711
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727

BACTERIAL DISEASES
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256
Hemoglobin-based blood substitutes and enhanced susceptibility to bacterial infections
[AD-A281023] p 148 N95-16444
Studies of altered response to infection induced by severe injury
[AD-A288907] p 450 N95-29139

BACTERICIDES
Microbial control of the space suit assembly for space station freedom
[SAE PAPER 932103] p 461 A95-90347
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381

BACTERIOLOGY
Competition in the chemostat: Global asymptotic behavior of a model with delayed response in growth
[BTN-94-EIX94341340323] p 27 A95-60859
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
On the isolation of halophilic microorganisms from salt deposits of great geological age p 28 N95-11966
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917

BACTERIOPHAGES
Investigation of pressure regulation in an archaebacterial enzyme
[AD-A281413] p 142 N95-16164
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727

BALANCE
Graded change of forces on the otoliths as a tool to investigate equilibrium in man p 439 A95-88574

BALANCING
Unusual visual stimulation in dynamic balance conditions: Proposal for a space motion sickness test
[ISBN 0-08-042485-6] p 15 A95-60680

BALLOONS
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281

BARANY CHAIR
Graded change of forces on the otoliths as a tool to investigate equilibrium in man p 439 A95-88574

BARORECEPTORS
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function
[HTN-95-10055] p 46 A95-61906
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin
[HTN-95-10069] p 50 A95-61920
Daily exercise improved blood pressure homeostasis of rats subjected to surgical stress
[HTN-95-60038] p 69 A95-62146
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats
[HTN-95-50887] p 242 A95-73077
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008
Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats
[HTN-95-91917] p 344 A95-82019
Heart rate and blood pressure variabilities during graded head-up tilt
[HTN-95-21579] p 369 A95-83364
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Effects of weightlessness on human baroreflex function p 154 N95-16770

BAROTROPIC FLOW
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107

BATHING
Personal hygiene body wipe
[AD-A286092] p 267 N95-22274

BAYES THEOREM
Test theory reconceived
[AD-A291836] p 456 N95-29432

BEAMS (SUPPORTS)
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA) p 90 N95-15140

BEARING (DIRECTION)
A theory of gravikinesis in Paramecium
p 408 A95-87487
BED REST
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women
p 87 N95-15111
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Effect of antiorthostatic BedRest (BR) on GastroIntestinal Motility (GIM) of normal subjects
p 153 N95-16753
Artificial gravity: How much, how often, how long?
p 178 N95-16778
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption
p 155 N95-16779
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest
p 156 N95-16780
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance
p 156 N95-16781
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
BEDDING EQUIPMENT
Quantifying the potential of infant bedding to limit CO2 dispersal and factors affecting rebreathing in bedding
[HTN-95-91920] p 344 A95-82022
BEDS
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399
BEDS (PROCESS ENGINEERING)
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
BEES
Thermoregulation in bees
[HTN-95-00507] p 375 A95-83387
BEHAVIOR
Behavior of space frog p 362 A95-82611
Behaviorism, cognitivism and the neuropsychology of memory
[HTN-95-42102] p 388 A95-83868
Behavioural changes in Paramecium and Didinium exposed to short-term microgravity and hypergravity
p 407 A95-87297
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360
Interaction and intelligent behavior
[AD-A290049] p 457 N95-29443
BENDING
Mechanics and form of the maize leaf: In vivo qualification of flexural behavior
[BTN-94-EIX94461400303] p 141 A95-65315
BEVERAGES
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961
The effects of freezing on selected European and Asian foods prepared for International Space Missions
p 396 A95-82610
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863
BIAS
Studies of novel popout
[AD-A285237] p 169 N95-16244
BIBLIOGRAPHIES
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 393)
[NASA-SP-7011(393)] p 17 N95-11405
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019
Medical research publications: A bibliography of Walter Reed Army Medical Center staff, 1986-1992, volume 2
[PB94-177797] p 85 N95-14394
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395)
[NASA-SP-7011(395)] p 91 N95-15304
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396)
[NASA-SP-7011(396)] p 158 N95-17703
Situation awareness: Papers and annotated bibliography
[AD-A284752] p 173 N95-18084
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 398)
[NASA-SP-7011(398)] p 160 N95-19239
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 397)
[NASA-SP-7011(397)] p 210 N95-19746
Bibliography of scientific publications 1975-1993
[AD-A279767] p 254 N95-20977
Age 60 study. Part 1: Bibliographic database
[AD-A286245] p 257 N95-22027
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 401)
[NASA-SP-7011(401)] p 354 N95-25800
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 402)
[NASA-SP-7011(402)] p 387 N95-27502
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 403)
[NASA-SP-7011(403)] p 451 N95-29190
Visual and auditory symbols: A literature review
[AD-A290222] p 472 N95-29908
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
BIG BANG COSMOLOGY
Cosmic evolution of the biogenic elements and compounds
[HTN-95-41238] p 316 A95-75050
BINAURAL HEARING
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421
Pattern-analysis based models of masking by spatially separated sounds
[AD-A291270] p 453 N95-29933
BINDING
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
BINOCULAR VISION
Coordinated action in 3-D space
[AD-A281284] p 35 N95-13375
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376
BINOCULARS
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
BIOASSAY
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
Flow cytometry: A powerful technology for measuring biomarkers
[DE94-018284] p 249 N95-22296
The development and applications of biomarkers
[DE94-014240] p 300 N95-22509
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-28519
BIOASTRONAUTICS
Bio-regenerative life support systems for human planetary missions --- Abstract only p 145 A95-63898
A review of muscle atrophy in microgravity and during prolonged bed rest
[HTN-95-90825] p 250 A95-71340
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
The great lunar quarantine --- Apollo Project's post-mission quarantine
[HTN-95-A0582] p 384 A95-83162
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
Spacelab Life Sciences-1
[NASA-TM-109873] p 16 N95-10550
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
Strength training as a counter-measure for microgravity effects p 18 N95-11608
Interior design for international teams serving long term in an extreme environment: A problem statement
p 24 N95-11609
An overview of underground space as an extreme environment p 24 N95-11611
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615
Habitat for short duration lunar mission
p 25 N95-11616
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
Meeting the nation's needs for biomedical and behavioral scientists
[LC-94-66477] p 28 N95-12310
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
BioServe space technologies: A NASA Center for the Commercial Development of Space
[NASA-CR-196983] p 141 N95-16034
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396)
[NASA-SP-7011(396)] p 158 N95-17703
Annual program analysis of the NASA Space Life Sciences Research and Education Support Program
[NASA-CR-197298] p 247 N95-21529
BIOCHEMICAL OXYGEN DEMAND
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
BIOCHEMISTRY
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068

Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
ERA-experiment 'space biochemistry' p 404 A95-83984
Supercomputing studies of biomembranes [HTN-95-92294] p 376 A95-85338
How nature builds the pigments of life: the conquest of vitamin B-12 [BTN-94-EIX94431375202] p 436 A95-88153
Biochemistry of the actinides [GTN-95-09258388-4023] p 424 A95-89501
The Biological System of the Elements (BSE) for terrestrial plants (glycophytes) [GTN-95-00489697-4147] p 429 A95-92252
Copper metabolism in rats fed ascorbic acid or restricted amounts of copper [PB94-191343] p 28 N95-11902
Measurement and regulation of central noradrenergic receptors [AD-A284219] p 85 N95-14408
The role of chemical inhibition of gap junctional intercellular communication in toxicology [AD-A282452] p 147 N95-16378
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality [NASA-TM-4650] p 144 N95-19140
Activities of the Division of Energy Biosciences [DE95-001046] p 208 N95-19613
Photobiology in medicine [AD-A284843] p 210 N95-19695
Microbiology and physiology of anaerobic fermentations of cellulose [DE95-002899] p 246 N95-20917
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems [DE95-000859] p 247 N95-21366
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study [PB95-130399] p 255 N95-21424
Nitrogen control of chloroplast differentiation [DE95-002797] p 247 N95-21526
The development and applications of biomarkers [DE94-014249] p 306 N95-22589
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri [DE94-016222] p 306 N95-22873
Analysis of structural domains required for phytochrome function by in vitro mutagenesis [DE94-016230] p 307 N95-22884
Membrane phase separations, asymmetry and implications in the origin of life [DE94-628486] p 308 N95-23050
The origin of chirality in protein amino acids [DE94-628491] p 308 N95-23058
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethythexyl)-phthalate on liver protein expression in mice [DE94-016587] p 309 N95-23771
The 1993 Gordon Research Conference on Chronobiology [NASA-CR-197990] p 310 N95-24047
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth [AD-A288345] p 379 N95-26573
Electrical and electronic properties of self-assembled lipid bilayers [AD-A290507] p 431 N95-29155
Measurement and regulation of central noradrenergic receptors [AD-A294065] p 532 N95-34472

BIOCONTROL SYSTEMS

Self-regulated insulin delivery system using boronic acid gel [BTN-94-EIX94381359518] p 250 A95-71755

BIOCONVERSION

Biological and biotechnological waste management in materials processing [HTN-95-20610] p 397 A95-84791
Design considerations for the CELSS test facility engineering development unit [SAE PAPER 932124] p 462 A95-90365
Simulation of mass fluxes in the MELISSA microorganism based ecosystem [SAE PAPER 932125] p 462 A95-90366
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system [SAE PAPER 932127] p 463 A95-90368
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria [DE94-013317] p 14 N95-11697
Anaerobic digestion analysis model: User's manual [DE94-011858] p 246 N95-20471

BIODEGRADATION

How nature builds the pigments of life: the conquest of vitamin B-12 [BTN-94-EIX94431375202] p 436 A95-88153
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater [GTN-95-00489697-4188] p 430 A95-92258
Root growth and development in response to CO2 enrichment [NASA-CR-196154] p 142 N95-16429

BIODYNAMICS

Inhibition-produced patterning in chains of coupled nonlinear oscillators [BTN-94-EIX94341340325] p 27 A95-60861
Effect of step length optimization on the aerobic demand of running [HTN-95-A0609] p 275 A95-74310
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering [HTN-95-A0623] p 278 A95-74324
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions [HTN-95-A0670] p 289 A95-74371
Dynamics of a terraformed Martian biosphere [HTN-95-60880] p 358 A95-78860
Bioenergetics and biomechanics of front crawl swimming [HTN-95-91911] p 342 A95-82013
Simple model for human arm reachable workspace [BTN-94-EIX94522407598] p 535 A95-96246
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1 [AD-A281250] p 22 N95-10728
Development and evaluation of a musculoskeletal model of the elbow joint complex [NASA-CR-196160] p 17 N95-11250
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2 [AD-A281932] p 22 N95-11357
Preconditioning electromyographic data for an upper extremity model using neural networks [NASA-CR-196877] p 31 N95-11708
Coordination of human upper arm and forearm motion in rapid extensions p 101 N95-14056
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G [AGARD-AR-317] p 103 N95-14263
Health hazards assessment for blast overpressure exposures [AD-A283352] p 158 N95-17998
Design and development of an enhanced biodynamic manikin, phase 1 [AD-A284725] p 180 N95-18077
Naval Biodynamics Laboratory 1993 command history [AD-A284358] p 175 N95-18440
Analysis of musculo-skeletal loading using electromyography and biomechanical modelling [PB95-135828] p 254 N95-21007
On producing sequential movements and actions. An integrative review and an update of the generalized motor program [AD-A288628] p 357 N95-25610
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program [AD-A291553] p 470 N95-28935
Vertical impact testing of two helmet-mounted night vision systems [AD-A293055] p 525 N95-31671
The preservation of human surrogates for biomechanical studies p 537 N95-33312
The virtual sailor: Synthetic humans for virtual environments [AD-A293560] p 534 N95-34610

BIOELECTRIC POTENTIAL

Differential flank growth [ISBN 0-08-042485-6] p 5 A95-60649
Toward a psychophysical assessment of dynamic changes in mental workload [HTN-95-B0109] p 397 A95-85925
The electrical behaviour of an excitable cell at different conditions [DE95-607911] p 381 N95-27254

BIOELECTRICITY

Cellular responses to endogenous electrochemical gradients in morphological development p 408 A95-87489
Modelling of biopotential recordings and its implications for instrumentation design [PB94-206844] p 30 N95-13408
Skin blood flow and bioelectrical impedance [AD-A285475] p 149 N95-16619
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization [AD-A284111] p 143 N95-18439
Magnetic source imaging of visually evoked and oscillatory electrical activity of the human brain [PB95-127205] p 258 N95-22476
The electrical behaviour of an excitable cell at different conditions [DE95-607911] p 381 N95-27254

BIOENGINEERING

Intelligent systems based on ordered arrays of biological molecules using the LB technique [BTN-94-EIX94381359517] p 230 A95-71754
Continuous pneumothorax monitoring by remittance measurement [BTN-94-EIX94421282946] p 348 A95-78957
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system [SAE PAPER 932062] p 466 A95-91641
HOMEOSTAT-A bioengineering system [SAE PAPER 932068] p 455 A95-91646
Naval Aerospace Medical Research Laboratory. 1993 command history [AD-A284038] p 85 N95-14424
Seminar on Biomedical Engineering 1993 [PB95-104402] p 254 N95-20971
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology [DE94-015076] p 247 N95-21376
Command history, 1993 [AD-A279775] p 256 N95-21989
Life Sciences Division and Center for Human Genome Studies [DE94-017796] p 248 N95-22065

BIOFEEDBACK

Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits [HTN-95-50882] p 241 A95-73072
Geometry of respiratory phase switching [HTN-95-50883] p 241 A95-73073
Symmetry, bifurcations, and chaos in a distributed respiratory control system [HTN-95-50884] p 241 A95-73074
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs [HTN-95-91906] p 341 A95-82008
Teleoperator response in a touch task with different display conditions [BTN-95-EIX95262697087] p 457 A95-86876

BIOGENY

Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208

BIOGEOCHEMISTRY

Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992 [ISBN 0-08-042540-2] p 214 A95-66751
Exobiological exploration of Mars p 215 A95-66770
Site selection for Mars exobiology p 215 A95-66771
Life on Mars? 2: Physical restrictions p 215 A95-66773
Biogeochemical evidence of microbial activity on Mars p 192 A95-66780

BIOGRAPHY

Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers [DOT/FAA/AM-94/13] p 19 N95-10144

BIOINSTRUMENTATION

Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems [BTN-94-EIX94501433007] p 195 A95-67426
Intelligent systems based on ordered arrays of biological molecules using the LB technique [BTN-94-EIX94381359517] p 230 A95-71754
Dynamical thermovision for a study of blood flow regulation and pathologies [BTN-94-EIX94401361400] p 310 A95-75510
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans [BTN-95-EIX95122531759] p 320 A95-79005
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin [AD-A290439] p 487 N95-30452
New advances in physiological measurements during high-G: Technology p 532 N95-34057

Methods for measuring physiological responses and protection in man exposed to high +G(z)
p 532 N95-34058

BIOLOGICAL DIVERSITY

Nonequilibrium determinants of biological community structure
[HTN-95-11904] p 378 A95-85985

Clearing-house mechanism to promote and facilitate technical and scientific cooperation under the UN Convention on Biological Diversity
[PB95-214557] p 530 N95-33236

BIOLOGICAL EFFECTS

Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141

Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298

Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815

Laser induced tissue temperature changes
p 432 A95-87816

Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817

Numerical models of photothermal tissue welding processes p 433 A95-87818

Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820

Tissue optical properties measured with acoustic transducer p 433 A95-87821

Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822

Overview of current medical laser applications: Triumphs and failures p 434 A95-87825

Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation
p 434 A95-87826

Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874

The Biological System of the Elements (BSE) for terrestrial plants (glycophytes)
[GTN-95-00489697-4147] p 429 A95-92252

Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617

Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 393)
[NASA-SP-7011(393)] p 17 N95-11405

Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395)
[NASA-SP-7011(395)] p 91 N95-15304

The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378

The chronic effects on JP-8 jet fuel exposure on the lungs
[AD-A280982] p 149 N95-16515

Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871

Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342

Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields
[DE94-015200] p 143 N95-18371

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399)
[NASA-SP-7011(399)] p 256 N95-21947

The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066

Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083

Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285

Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361

Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912

A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771

Biological interactions and human health effects of static magnetic fields
[DE95-003147] p 311 N95-24145

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 400)
[NASA-SP-7011(400)] p 352 N95-24464

Interim report of the advisory committee on human radiation experiments
[DE95-003265] p 352 N95-24497

Human radiation experiments: The Department of Energy roadmap to the story and the records
[DE95-006364] p 354 N95-25371

Interaction mechanisms and biological effects of static magnetic fields
[DE95-004929] p 347 N95-26169

Radiation in everyday life
[DE95-604111] p 379 N95-26597

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 402)
[NASA-SP-7011(402)] p 387 N95-27502

Toxicity assessment of liquid propellant XM46
p 387 N95-28319

Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866

Aerospace medicine and biology: A continuing bibliography with indexes (supplement 403)
[NASA-SP-7011(403)] p 451 N95-29190

Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320

Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions
p 529 N95-32729

Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730

BIOLOGICAL EVOLUTION

Are periodicities in crater formations and mass extinctions related?
[HTN-95-50109] p 105 A95-63321

ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993 -- Abstracts only
[HTN-95-40049] p 105 A95-63744

The origin and early evolution of ISSOL --- Abstract only p 106 A95-63745

Prebiotic synthesis of organic compounds: A review and new results --- Abstract only p 106 A95-63747

The organic and mineral inventory of comets and the possible role in early biological activities: A summary of the mass spectrometric studies of comet p/Halley --- Abstract only p 182 A95-63750

Investigations about alpha-aminoacid synthesis under prebiotic conditions --- Abstract only
p 107 A95-63761

Urazole is a potential precursor to uracil --- Abstract only p 107 A95-63762

Prebiotic synthesis of hydroxymethyluracil and some t-RNA bases --- Abstract only p 108 A95-63763

Computer simulation of astrophysical ices --- Abstract only p 108 A95-63766

Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions --- Abstract only p 109 A95-63768

Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions --- Abstract only p 111 A95-63782

A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere --- Abstract only p 113 A95-63790

Questionnairing university students in biology on emergence and evolution of life --- Abstract only
p 113 A95-63791

Approaches to the selection of an RNA replicase --- Abstract only p 113 A95-63792

Directed evolution of catalytic RNA --- Abstract only
p 113 A95-63793

Template-directed synthesis -- A summary --- Abstract only p 113 A95-63794

A new perspective for prebiotic formation of achiral, nucleic acid-like molecules --- Abstract only
p 113 A95-63795

A novel computational method to simulate non-enzymatic self-replication --- Abstract only
p 114 A95-63800

Catalytic studies of biomimetic molecular systems and origin of life --- Abstract only p 116 A95-63807

Amino acid distribution in acient and derived proteins --- Abstract only p 117 A95-63814

Evolution of the tRNA cloverleaf structure --- Abstract only p 117 A95-63815

Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell --- Abstract only
p 118 A95-63820

Nanobiological principles and the origin of life --- Abstract only p 119 A95-63821

Evolution of catalytic networks formed by self-replicative species --- Abstract only p 119 A95-63824

Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin --- Abstract only p 120 A95-63827

Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world --- Abstract only p 120 A95-63830

Amino-acyl-t-RNA synthetases and the evolution of the genetic code --- Abstract only p 121 A95-63831

Copper complexes: Model for early enzymes --- Abstract only p 122 A95-63838

Phylogeny of proton pumping ATPases: Implication for the early evolution of life --- Abstract only
p 124 A95-63845

Structure and functions of simple membrane-water interfaces --- Abstract only p 125 A95-63848

Molecular modelling of cellular and precellular membrane systems --- Abstract only
p 125 A95-63849

A model for biogenesis based on thermosynthesis --- Abstract only p 125 A95-63850

The formation of 'minimal protocell': Thermodynamical and mechanical aspects --- Abstract only
p 125 A95-63851

Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins --- Abstract only p 125 A95-63852

NMR studies on the weak interactions between amino acids and nucleotides --- Abstract only
p 126 A95-63853

Evidence that the protocell was also a protoneuron --- Abstract only p 126 A95-63854

New evidence of the antiquity of life --- Abstract only
p 126 A95-63855

Chroococcidiopsis, the most primitive living cyanobacterium? --- Abstract only p 127 A95-63858

Stromatolitc microbial mats in perennially ice-covered Antarctic lakes --- Abstract only p 128 A95-63864

Revival of the concept of cold prehistory of life --- Abstract only p 128 A95-63865

Taxonomy and philogeny: Palaeomycology --- Abstract only p 130 A95-63873

Uranium deposits and the origin of life --- Abstract only p 131 A95-63874

Silica biomorphs: An alternative explanation of some putative Precambrian microfossils --- Abstract only
p 131 A95-63875

Inhibition of amino acid metabolic enzymes by alpha-aminoisobutyric acid --- Abstract only
p 131 A95-63876

Development and diversification of the last universal ancestor --- Abstract only p 132 A95-63878

Evolution of biosynthesis of hydrophobic amino acids --- Abstract only p 132 A95-63879

The early evolution of metabolic pathways --- Abstract only p 132 A95-63880

Directed evolution of novel biosynthetic pathways to proline --- Abstract only p 132 A95-63881

Early gene duplication and the origin of biochemical regulation --- Abstract only p 133 A95-63882

The role of accuracy for early cooperative stages of the origin of life --- Abstract only p 133 A95-63883

Purines: Their role in biopoiesis, biological evolution and oncogenesis --- Abstract only p 133 A95-63884

Cilium (undulipodium): Origin and geometry --- Abstract only p 134 A95-63886

Archigenetic hypothesis of the early cellular evolution --- Abstract only p 134 A95-63887

Thermodynamics of Strecker synthesis in hydrothermal systems --- Abstract only p 134 A95-63888

The in situ exobiological investigation of the Martian surface mineralogy during unmanned missions --- Abstract only p 185 A95-63893

Phosphate microaggregates in Archean sediments --- Abstract only p 135 A95-63897

An exobiology science strategy for Mars exploration --- Abstract only p 186 A95-63901

From protometabolism to metabolism --- Abstract only
p 136 A95-63904

Relationships of essence and form in the origin of the genetic system --- Abstract only p 136 A95-63905

Equally parsimonious pathways of RNA evolution may not be equally valid --- Abstract only
p 136 A95-63906

Symbiogenesis and species origin --- Abstract only
p 136 A95-63907

How complex was the last common ancestor? --- Abstract only p 137 A95-63908

The use of functional inhibitors in the study of ribosomal evolution --- Abstract only p 137 A95-63909

Structure and evolution of an RNA enzyme: Ribonuclease P. --- Abstract only p 137 A95-63910

On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase — Abstract only p 137 A95-63911
Selective mutations in molecular evolution — Abstract only p 138 A95-63912
Can hyperthermophilic procaryotes tell us anything about the primitive earth? — Abstract only p 139 A95-63917
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily — Abstract only p 139 A95-63918
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems — Abstract only p 139 A95-63920
Evolution of the genetic code — Abstract only p 139 A95-63921
Redox ribonucleosides: Isolation and characterization of 5-hydroxycytidine, 5-hydroxyuridine, 8-hydroxyguanosine and 8-hydroxyadenosine from Torula Yeast RNA — Abstract only p 139 A95-63922
Possible presence of unsaturated hydrocarbon gases in comet nuclei and their role in the origin of life — Abstract only p 186 A95-63923
Lipids of archaebacteria — Abstract only p 140 A95-63924
Information, entropy, thermodynamics and the origin of life — Abstract only p 140 A95-63925
The phylogeny of tRNA molecules and the origin of the genetic code
[HTN-95-10289] p 140 A95-64051
Inorganic self-organisation in Precambrian cherts
[HTN-95-10291] p 140 A95-64053
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
Role of trace metal ions in chemical evolution. The case of free-radical reactions p 194 A95-66799
Direct interaction between amino acids and nucleotides as a possible physicochemical basis for the origin of the genetic code p 194 A95-66800
The RNA-world and co-evolution hypothesis and the origin of life: Implications, research strategies and perspectives
[HTN-95-A0482] p 231 A95-72553
The evolutionary change of the genetic code as restricted by the anticodon and identity of transfer RNA
[HTN-95-A0483] p 231 A95-72554
Experimental investigation of an RNA sequence space
[HTN-95-A0484] p 231 A95-72555
RNA based evolutionary optimization
[HTN-95-A0485] p 231 A95-72556
On concerned origin of transfer RNAs with complementary anticodons
[HTN-95-A0486] p 232 A95-72557
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme
[HTN-95-A0487] p 232 A95-72558
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
Cosmic evolution of the biogenic elements and compounds
[HTN-95-41238] p 316 A95-75050
The evolution of life without oxygen
[HTN-95-42101] p 375 A95-83867
Untangling the evolution of the web
[HTN-95-81497] p 376 A95-85211
Evolution of the early vertebrates
[HTN-95-92319] p 376 A95-85363
The early evolution of the domestic dog
[HTN-95-92321] p 376 A95-85365
The unique visual system of the mantis shrimp
[HTN-95-92323] p 376 A95-85367
AstroNewt: Early development of newt in space p 414 A95-87521
The Pleurodele, an animal model for space biology studies p 414 A95-87522
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
ISSOL Meeting, Barcelona, Spain, 1993
[HTN-95-92680] p 419 A95-88726
Evidence for organic synthesis in high temperature aqueous media - facts and prognosis p 421 A95-88735
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737
Effect of a chiral impulse on the weak interaction induced handedness in a prebiotic medium p 422 A95-88740
Can biological homochirality result from a phase transition? p 422 A95-88741
The role of accuracy for early stages of the origin of life p 422 A95-88742
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems p 422 A95-88743
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive p 422 A95-88744
The effects of heavy meteorite bombardment on the early evolution - the emergence of the three domains of life p 423 A95-88745
On the nature of mutations in molecular evolution p 423 A95-88747
Will man need the vestibular system in generations to come? p 86 N95-15092
Changing gravity level and the development of animals p 43 N95-15101
The avian embryo responding to microgravity of space flight p 43 N95-15104
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
Membrane phase separations, asymmetry and implications in the origin of life
[DE94-628486] p 308 N95-23050
Molecular relics from chemical evolution and the origin of life
[DE94-628493] p 308 N95-23060

BIOLOGICAL MODELS (MATHEMATICS)

Basic assumptions and comparison of three gravitropic response models
[ISBN 0-08-042485-6] p 5 A95-60650
Theoretical basis for time 0 correction in the rebreathing analysis
[HTN-95-10068] p 50 A95-61919
Modeling methodology for vascular input impedance determination and interpretation
[HTN-95-10070] p 50 A95-61921
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men
[HTN-95-10100] p 58 A95-61951
Dynamical assessment of physiological systems and states using recurrence plot stategies
[HTN-95-60052] p 72 A95-62160
An information 'worm hole' between 20 amino acids and 64 triplets is dug through the decimal and quarternary systems — Abstract only p 117 A95-63812
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree
[HTN-95-A0121] p 200 A95-68904
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data
[HTN-95-A0125] p 201 A95-68908
Dynamic surface tension of surfactant TA: Experiements and theory
[HTN-95-70487] p 227 A95-71509
Oxygen transport to tissue by persistent bubbles: Theory and simulations
[HTN-95-70493] p 228 A95-71515
One-dimensional simulation of aerosol transport and deposition in the human lung
[HTN-95-70494] p 228 A95-71516
Geometry of respiratory phase switching
[HTN-95-50883] p 241 A95-73073
Symmetry, bifurcations, and chaos in a distributed respiratory control system
[HTN-95-50884] p 241 A95-73074
Use of scaling theory to relate measurements of lung endothelial barrier permeability
[HTN-95-50898] p 244 A95-73088
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315
Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319
Efficiency function: Improvement of classical bioheat approach
[HTN-95-A0636] p 281 A95-74337
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
Prediction of central nervous system oxygen toxicity in rats
[HTN-95-A0666] p 288 A95-74367
Ratios and regressions in body size and function: A commentary
[HTN-95-A0677] p 290 A95-74378
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure
[HTN-95-A0679] p 291 A95-74380
A buoyancy-driven squeeze-film model of intrapleural fluid dynamics: Basic concepts
[HTN-95-A0733] p 304 A95-75302
Relating space radiation environments to risk estimates p 321 A95-81446
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait
[HTN-95-21598] p 374 A95-83383
Numerical models of photothermal tissue welding processes p 433 A95-87818
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
The role of accuracy for early stages of the origin of life p 422 A95-88742
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems p 422 A95-88743
Use of a speadsheet program for circadian analysis of biological/physiological data
[HTN-95-01219] p 426 A95-91451
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909
Object-oriented model-driven control p 515 A95-93799
Integrated developmental model of life-support capabilities in wheat
[NASA-CR-196428] p 14 N95-11218
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air p 31 N95-11806
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation
[AD-A280897] p 146 N95-16151
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-26519
Computer models of retinal function
[AD-A290156] p 449 N95-29022
Estimation of spatially restricted LET using track structure models p 527 N95-32722
The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610

BIOLOGY

Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
Overview of selected molecular biological databases
[DE95-005906] p 346 N95-25181
Genetics and the unity of biology
[DE95-006484] p 431 N95-29471

BIOLUMINESCENCE
Bacterial luciferase: Determination of the structure by x-ray diffraction
[AD-A279699] p 246 N95-20711
BIOMAGNETISM
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348
Magnetic source imaging of visually evoked and oscillatory electrical activity of the human brain
[PB95-127205] p 258 N95-22476
BIOMASS
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179
Activities of the Division of Energy Biosciences
[DE95-001046] p 208 N95-19613
Biologically produced succinic acid: A new route to chemical intermediates
[DE95-000257] p 345 N95-24306
Clean fractionation of biomass
[DE95-000259] p 345 N95-24307
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843
BIOMASS ENERGY PRODUCTION
Performance and reliability of the NASA biomass production chamber p 515 A95-93801
BIOMEDICAL DATA
Standards relevant to a NATO anthropometry survey using 3D imaging tools
[AD-A283065] p 39 N95-13055
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
A 3D stereo data visualization and representation
[AD-A284788] p 261 N95-20064
BIOMETRICS
The development and applications of biomarkers
[DE94-014249] p 306 N95-22589
Long-range eye tracking: A feasibility study
[DE95-008587] p 393 N95-28176
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086
BIONICS
Molecular modelling of cellular and precellular membrane systems --- Abstract only p 125 A95-63849
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909
Analysis of musculo-skeletal loading using electromyography and biomechanical modelling
[PB95-135828] p 254 N95-21007
A model of the neural basis of the rat's sense of direction
[AD-A289678] p 381 N95-26761
BIOPHYSICS
On the absolute meaning of the energy scale approximately kT in the thermal interference involved in enzyme-coupled reactions
[HTN-95-92207] p 375 A95-84063
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
Membrane phase separations, asymmetry and implications in the origin of life
[DE94-628486] p 308 N95-23050
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin-Huxley model of a neuron
[AD-A293821] p 493 N95-31552
Summaries of fiscal year 1994 projects in medical applications and biophysical research
[DE95-010405] p 487 N95-32040
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577
BIOPOLYMERS
On the experimental investigation of the origin of biopolymer chirality
[HTN-95-41640] p 319 A95-78735
Short-lived dissipative nanostructures in solids: Did phase-ordered phonons contribute to biopolymer evolution?
[HTN-95-41643] p 358 A95-78738
BIOPROCESSING
Phototaxis in the flagellate, Euglena gracilis, under the effect of microgravity
[HTN-95-80092] p 105 A95-63478
Fungi in space - Literature survey on fungi used for space research
[HTN-95-80093] p 105 A95-63479
Biological and biotechnological waste management in materials processing
[HTN-95-20610] p 397 A95-84791
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
BioServe space technologies: A NASA Center for the Commercial Development of Space
[NASA-CR-196983] p 141 N95-16034
Space medicine research: Needs for the 21st century p 154 N95-16768
Development of novel separation techniques for biological samples in capillary electrophoresis
[DE95-001672] p 305 N95-22493
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843
BIOREACTORS
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
Lunar base CELSS design and analysis p 514 A95-93773
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
Biological determinants of photobioreactor design
[DE94-016032] p 306 N95-22872
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843
BIOSATELLITES
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
BIOSPHERE
Cometary origin of the biosphere: A progress report p 189 A95-66757
Comets and life in the Universe p 190 A95-66761
Dynamics of a terraformed Martian biosphere
[HTN-95-60880] p 358 A95-78860
CELSS: Possible contributions to earth science program and others p 514 A95-93775
Methods for measurement and control of leakage in CELSS and their application and performance in the biosphere 2 facility p 515 A95-93802
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: Initial results from biosphere 2 p 516 A95-93814
BIOSYNTHESIS
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins --- Abstract only p 125 A95-63852
Directed evolution of novel biosynthetic pathways to proline --- Abstract only p 132 A95-63881
On the experimental investigation of the origin of biopolymer chirality
[HTN-95-41640] p 319 A95-78735
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87296
How nature builds the pigments of life: the conquest of vitamin B-12
[BTN-94-EIX94431375202] p 436 A95-88153
Evolution of the biosynthesis of the branched-chain amino acids p 420 A95-88733
Rational enzyme redesign
[DE94-014565] p 29 N95-12677
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
BIOTECHNOLOGY
Biological and biotechnological waste management in materials processing
[HTN-95-20610] p 397 A95-84791
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044
Naval Aerospace Medical Research Laboratory. 1993 command history
[AD-A284038] p 85 N95-14424
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
Capillary electrophoresis: Biotechnology for separation of DNA and chromosomes p 144 N95-19014
Activities of the Division of Energy Biosciences
[DE95-001046] p 208 N95-19613
Biological determinants of photobioreactor design
[DE94-016032] p 306 N95-22872
Biologically produced succinic acid: A new route to chemical intermediates
[DE95-000257] p 345 N95-24306
Microgravity Sciences Biotechnology Facility assessment
[NASA-CR-196602] p 382 N95-27329
Proceedings of the 11th congress of the international society for artificial cells, blood substitutes and immobilization biotechnology
[AD-A290342] p 431 N95-29088
Mathematical methods applied to biotechnical processes
[PB95-212114] p 530 N95-33232
BIOTELEMETRY
Biotelemetry implant volume and weight in rats: A pilot study report
[NASA-TM-108812] p 13 N95-10863
BIOTIN
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin
[AD-A290439] p 487 N95-30452
BIRDS
Are otoconia dynamic in birds and mammals? p 43 N95-15103
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
BLACKOUT
The Physiologist, volume 36, number 1, supplement p 85 N95-15089
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
BLACKOUT (PHYSIOLOGY)
Greyout, blackout, and G-loss of consciousness in the Brazilian air force: A 1991-92 survey
[HTN-95-12211] p 448 A95-91911
G-protection capabilities and current G-protection issues p 538 N95-34060
BLACKOUT PREVENTION
Greyout, blackout, and G-loss of consciousness in the Brazilian air force: A 1991-92 survey
[HTN-95-12211] p 448 A95-91911
BLAST LOADS
Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971
Health hazards assessment for blast overpressure exposures
[AD-A283352] p 158 N95-17998
BLINKING
Blink rate: A possible measure of fatigue
[HTN-95-B0073] p 377 A95-85889

Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
BLOCKING
Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
[HTN-95-00440] p 329 A95-81957
Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction
[HTN-95-91909] p 342 A95-82011
BLOOD
Effect of glucose infusion on endurance performance after beta-adrenoceptor blocker administration
[HTN-95-A0119] p 200 A95-68902
Two-fiber laser Doppler velocimetry in blood: Monte Carlo simulation in three dimensions
[BTN-94-EIX94421282949] p 348 A95-78959
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
Hemoglobin-based blood substitutes and enhanced susceptibility to bacterial infections
[AD-A281023] p 148 N95-16444
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion
[AD-A289558] p 385 N95-26680
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
Proceedings of the 11th congress of the international society for artificial cells, blood substitutes and immobilization biotechnology
[AD-A290342] p 431 N95-29088
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627
BLOOD CELLS
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
Proceedings of the 11th congress of the international society for artificial cells, blood substitutes and immobilization biotechnology
[AD-A290342] p 431 N95-29088
BLOOD CIRCULATION
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin
[HTN-95-10069] p 50 A95-61920
Modeling methodology for vascular input impedance determination and interpretation
[HTN-95-10070] p 50 A95-61921
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
Evaluation of a transit-time system for the chronic measurement of blood flow in conscious sheep
[HTN-95-91892] p 338 A95-81994
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
Manipulating the arterial pressure to prevent G-LOC p 88 N95-15123
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Cumulative effects of repeated brief cerebral ischemia
[AD-A284234] p 210 N95-19698
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515
BLOOD COAGULATION
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
BLOOD FLOW
Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10096] p 58 A95-61949
Contribution of arterial feed vessels to skeletal muscle functional hyperemia
[HTN-95-10099] p 58 A95-61950
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men
[HTN-95-10100] p 58 A95-61951
Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976
Blood flow, mitochondria, and performance in skeletal muscle after denervation and reinnervation
[HTN-95-60043] p 70 A95-62151
Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481
Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
Forearm compression during exercise increases sympathetic nerve traffic
[HTN-95-70468] p 222 A95-71490
Cerebral hemodynamics during sensorimotor activation in humans
[HTN-95-70474] p 224 A95-71496
Effect of chronic hypoxia on pulmonary vascular pressures in isolated lungs of newborn pigs
[HTN-95-70498] p 229 A95-71520
Hyperinflation with intrinsic PEEP and respiratory muscle blood flow
[HTN-95-50867] p 237 A95-73057
Initial fall in skeletal muscle force development during ischemia is related to oxygen availability
[HTN-95-50873] p 238 A95-73063
Failure of hemoconcentration during standing to reveal plasma volume decline induced in the erect posture
[HTN-95-50886] p 241 A95-73076
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
Dynamical thermovision for a study of blood flow regulation and pathologies
[BTN-94-EIX94401361400] p 310 A95-75510
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932
N(sup G)-nitro-L-arginine and phenylephrine have similar effects on the vascular waterfall in the canine hindlimb
[HTN-95-91886] p 336 A95-81988
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993
Evaluation of a transit-time system for the chronic measurement of blood flow in conscious sheep
[HTN-95-91892] p 338 A95-81994
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
Arterial and arteriolar contributions to skeletal muscle functional hyperemia in spontaneously hypertensive rats
[HTN-95-21565] p 366 A95-83350
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360
Effect of mild hydrostatic pressure on red blood cells
[AD-A290520] p 453 N95-29872

Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
New advances in physiological measurements during high-G: Technology p 532 N95-34057

BLOOD PLASMA
Failure of hemoconcentration during standing to reveal plasma volume decline induced in the erect posture
[HTN-95-50886] p 241 A95-73076
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875

BLOOD PRESSURE
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
Modeling methodology for vascular input impedance determination and interpretation
[HTN-95-10070] p 50 A95-61921
Daily exercise improved blood pressure homeostasis of rats subjected to surgical stress
[HTN-95-60038] p 69 A95-62146
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia
[HTN-95-50880] p 240 A95-73070
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure
[HTN-95-A0679] p 291 A95-74380
Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297
Flow pulsatility does not increase mean microvascular pressure or filtration in zone 3 rabbit lungs
[HTN-95-00424] p 325 A95-81941
Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
[HTN-95-00440] p 329 A95-81957
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
Rat retrotrapezoid nucleus iono- and metabotropic glutamate receptors and the control of breathing
[HTN-95-21573] p 368 A95-83358
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys p 417 A95-88580
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Hemodynamic responses to passive body tilts p 86 N95-15096
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Manipulating the arterial pressure to prevent G-LOC p 88 N95-15123
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611
New advances in physiological measurements during high-G: Technology p 532 N95-34057

BLOOD PUMPS
Ergometric studies of untrained skeletal muscle demonstrate feasibility of muscle-powered cardiac assistance
[HTN-95-A0681] p 291 A95-74382
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342

BLOOD VESSELS
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data
[HTN-95-A0125] p 201 A95-68908
Effects of maximal exercise and venous occlusion on fibrinolytic activity in physically active and inactive men
[HTN-95-50859] p 235 A95-73049
Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346
N(sup G)-nitro-L-arginine and phenylephrine have similar effects on the vascular waterfall in the canine hindlimb
[HTN-95-91886] p 336 A95-81988
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
Carbon monoxide does not modulate pulmonary vascular reactivity in isolated rat lungs
[AD-A283190] p 143 N95-17714
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979

BLOOD VOLUME
Total blood volume in healthy young and older men
[HTN-95-70096] p 92 A95-62538
Time course of blood volume changes in an isolated lung lobe after venous pressure elevation
[HTN-95-70496] p 229 A95-71518
Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
Intramyocardial blood volume and oxygen exchange
[PB95-108015] p 256 N95-21580
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
New advances in physiological measurements during high-G: Technology p 532 N95-34057

BLOOD-BRAIN BARRIER
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
Protein accumulation in cerebrospinal fluid during -90 deg head-down tilt in rabbit
[HTN-95-A0685] p 292 A95-75254
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512

BLUE GREEN ALGAE
A 'crytic' microbial mat: A new model ecosystem for extant life on Mars p 192 A95-66781
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779

BODY COMPOSITION (BIOLOGY)
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
The need to scale for differences in body size and mass: An explanation of Kleiber's 0.75 mass exponent
[HTN-95-70499] p 230 A95-71521
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
Segmental bioelectrical impedance analysis: Theory and application of a new technique
[HTN-95-A0594] p 271 A95-74295
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
Maximal aerobic capacity and total blood volume in highly trained middle-aged and older female endurance athletes
[HTN-95-A0643] p 283 A95-74344

Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381

BODY FLUIDS
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10087] p 55 A95-61938
Evaportion-induced changes in airway surface liquid on an isolated guinea pig trachea
[HTN-95-10115] p 62 A95-61966
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
Estimation of extravascular lung water in humans with use of 2H20: Effect of blood flow and central blood volume
[HTN-95-70102] p 82 A95-62544
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble
[HTN-95-A0114] p 198 A95-68897
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats
[HTN-95-70477] p 224 A95-71499
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats
[HTN-95-50887] p 242 A95-73077
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
[HTN-95-00440] p 329 A95-81957
Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
[HTN-95-91919] p 344 A95-82021
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
The fluid content of the shell tissues of the human body under different experimental conditions
p 437 A95-88564
Volume regulation in humans during weightlessness
p 438 A95-88568
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation
p 89 N95-15130
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity
p 90 N95-15138
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757

BODY KINEMATICS
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866

BODY MEASUREMENT (BIOLOGY)
The need to scale for differences in body size and mass: An explanation of Kleiber's 0.75 mass exponent
[HTN-95-70499] p 230 A95-71521
Measurement of high volumes by nitrogen washout method
[HTN-95-A0734] p 304 A95-75303
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
Evaluation of the EKG's isoelectric T wave in Air Force pilots
p 163 N95-19423

BODY SIZE (BIOLOGY)
The need to scale for differences in body size and mass: An explanation of Kleiber's 0.75 mass exponent
[HTN-95-70499] p 230 A95-71521

BODY TEMPERATURE
Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice
[HTN-95-50871] p 238 A95-73061
Efficiency function: Improvement of classical bioheat approach
[HTN-95-A0636] p 281 A95-74337
Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
Dynamical thermovision for a study of blood flow regulation and pathologies
[BTN-94-EIX94401361400] p 310 A95-75510
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378
Thermoregulation in bees
[HTN-95-00507] p 375 A95-83387
Absorption of ultra-short wave radiant energy by white rats
[HTN-95-93126] p 486 A95-95627
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563

BODY WEIGHT
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
Testing of experimental antileishmanial compounds
[AD-A288807] p 348 N95-26193

BOHR THEORY
Exercise O2 transport model assuming zero cytochrome PO2 at dot-VO2(sub max)
[HTN-95-A0122] p 200 A95-68905

BOLIDES
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life — Abstract only
p 184 A95-63860

BOLTZMANN TRANSPORT EQUATION
Discrete velocity model for an escaping single-component atmosphere
[HTN-95-50283] p 187 A95-65778

BONE DEMINERALIZATION
Terrestrial applications of bone and muscle research in microgravity
[ISBN 0-08-042485-6] p 14 A95-60676
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
The effects of prolonged weightlessness and reduced gravity environments on human survival
[HTN-95-90827] p 250 A95-71342
Effect of microgravity on collagenase deprotoeinization and EDTA decalcification of bone fragments
[HTN-95-80712] p 250 A95-73284
Exercise effect on bone remineralization after experimental osteoporosis of tail suspended rat
p 362 A95-82607
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess
p 418 A95-88592
A study on changes of glycosaminoglycan and minerals in calvariae and vertebrae in rats after exposure to simulated weightlessness
[HTN-95-93123] p 486 A95-95624
Prevent and cure disuse bone loss
[NASA-CR-196845] p 17 N95-11594
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556

BONE MARROW
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading
[HTN-95-A0113] p 198 A95-68896
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
[HTN-95-00430] p 327 A95-81947
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638

BONE MINERAL CONTENT
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess
p 418 A95-88592
Spaceflight results in depressed cancellous bone formation in rat humeri
[HTN-95-01215] p 426 A95-91447
A study on changes of glycosaminoglycan and minerals in calvariae and vertebrae in rats after exposure to simulated weightlessness
[HTN-95-93123] p 486 A95-95624
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA)
p 90 N95-15140
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556

BONES
Effect of microgravity on collagenase deprotoeinization and EDTA decalcification of bone fragments
[HTN-95-80712] p 250 A95-73284
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess
p 418 A95-88592
Effects of short-term spaceflight and recombinant human growth hormone (rhGH) on bone growth in young rats
[HTN-95-01214] p 426 A95-91446
A study on changes of glycosaminoglycan and minerals in calvariae and vertebrae in rats after exposure to simulated weightlessness
[HTN-95-93123] p 486 A95-95624
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
The use of acoustic emission in orthopedics
p 16 N95-10243

Prevent and cure disuse bone loss
[NASA-CR-196845] p 17 N95-11594
Strength training as a counter-measure for microgravity effects p 18 N95-11608
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
Development of the chick's auditory ossicle, the columella p 44 N95-15115
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA) p 90 N95-15140
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
Characterization of microgravity effects on bone structure and strength using fractal analysis p 531 N95-32419
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428

BOREDOM
The effects of boredom on reaction time in the cockpit p 510 A95-95209

BORIC ACIDS
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755

BORON 10
Continuation of BNCT Research Program at NEMC and MIT
[DE94-016228] p 311 N95-22875

BOTANY
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

BOTTLES
Evaluation of Pureau water for use as emergency drinking water for ADF aircraft
[MRL-TN-648] p 181 N95-19502

BOUNDARY CONDITIONS
Forward and inverse problems in elasticity imaging of soft tissues
[BTN-95-EIX95332424675] p 483 A95-94877

BRADYCARDIA
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044

BRAIN
Retrotrapezoid nucleus glutamate injections: Long-term stimulation of phrenic activity
[HTN-95-60050] p 72 A95-62158
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
Prediction of central nervous system oxygen toxicity in rats
[HTN-95-A0666] p 288 A95-74367
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v p 416 A95-88570
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421
Light and imaging in extreme environments p 21 N95-11631
How are three-dimensional objects represented in the brain?
[AD-A282367] p 34 N95-11942
Measurement and modification of the EEG and related behavior p 99 N95-14038
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
Locus coeruleus, vigilance and stress: Brain mechanisms of adaptive behavioral responsiveness
[AD-A282450] p 169 N95-16377
Cellular analysis of circadian rhythmicity in cultured SCN neurons
[AD-A284167] p 159 N95-18512
Nuclear medicine program
[DE94-017530] p 160 N95-19244
Netherlands Institute for Brain Research progress report, 1993
[PB95-135398] p 255 N95-21352
How the brain works
[AD-A279138] p 263 N95-21968
Magnetic source imaging of visually evoked and oscillatory electrical activity of the human brain
[PB95-127205] p 258 N95-22476
Experimental definition for implantation of the AFIT cortical multielectrode array
[AD-A289216] p 386 N95-26991
Characterization and redesign of the AFIT multielectrode array
[AD-A289295] p 386 N95-27039
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
Coupling of brain muscarinic receptors to second messengers
[AD-A290498] p 450 N95-29153
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472

BRAIN CIRCULATION
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492
Cerebral hemodynamics during sensorimotor activation in humans
[HTN-95-70474] p 224 A95-71496
Protein accumulation in cerebrospinal fluid during -90 deg head-down tilt in rabbit
[HTN-95-A0685] p 292 A95-75254
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158

BRAIN DAMAGE
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263

BRAIN STEM
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
Rat retrotrapezoid nucleus iono- and metabotropic glutamate receptors and the control of breathing
[HTN-95-21573] p 368 A95-83358
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370

BREADBOARD MODELS
Feasibility of an integrated X-ray instrument for Mars exobiology and geology --- Abstract only p 185 A95-63892
Object-oriented model-driven control p 515 A95-93799
Performance and reliability of the NASA biomass production chamber p 515 A95-93801

BREATHING
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940
Human lung impedance from spontaneous breathing frequencies to 32 Hz
[HTN-95-10117] p 62 A95-61968
Dynamical assessment of physiological systems and states using recurrence plot stategies
[HTN-95-60052] p 72 A95-62160
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
Pulmonary airway area by the two-microphone acoustic reflection method
[HTN-95-70101] p 82 A95-62543
Estimation of extravascular lung water in humans with use of 2H20: Effect of blood flow and central blood volume
[HTN-95-70102] p 82 A95-62544
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
Evaluation of a symmetrically disposed Pitot tube flowmeter for measuring gas flow during exercise
[HTN-95-70458] p 220 A95-71480
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492
Hamsters vs. rats: Metabolic and ventilatory response to development in chronic hypoxia
[HTN-95-70471] p 223 A95-71493
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
Respiratory muscle activity during sleep-induced periodic breathing in the elderly
[HTN-95-50879] p 240 A95-73069
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
Cerebellar modulation of ventilatory response to progressive hypercapnia
[HTN-95-A0684] p 292 A95-75253
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281
Physiological dead space increases during initial hours of chronic hypoxemia with or without hypocapnia
[HTN-95-A0729] p 303 A95-75298
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat
[HTN-95-21554] p 364 A95-83339

Rat retrotrapezoid nucleus iono- and metabotropic glutamate receptors and the control of breathing
[HTN-95-21573] p 368 A95-83358
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370

BREATHING APPARATUS
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Comparison of work of breathing during mechanical ventilation using assist control and intermittent mandatory ventilation
[AD-A285516] p 157 N95-17174
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665

BREATHING VIBRATION
Gas density does not affect pulmonary acoustic transmission in normal men
[HTN-95-00426] p 326 A95-81943

BRIGHTNESS
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
Night Vision Goggles (NVG) software user's guide, version 5.1
[AD-A284563] p 179 N95-18029

BRITISH COLUMBIA
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258

BRITTLE MATERIALS
The use of acoustic emission in orthopedics
p 16 N95-10243

BROADBAND
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852

BROKEN SYMMETRY
The origin of chirality in protein amino acids
[DE94-628491] p 308 N95-23058

BRONCHI
Serial distribution of airway mechanical properties in dogs: Effects of histamine
[HTN-95-A0110] p 197 A95-68893
Effects of airway parasympathetic tone on reponses to intravenous bronchoconstrictor agonists in rats
[HTN-95-70489] p 227 A95-71511
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs
[HTN-95-A0662] p 287 A95-74363
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
Contribution of pulmonary versus systemic perfusion of airway smooth muscle
[HTN-95-91877] p 334 A95-81979
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction
[HTN-95-91909] p 342 A95-82011
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614

BROTHS
Dynamics of microorganism populations in recirculating nutrient solutions p 481 A95-93806
Control of microorganisms in flowing nutrient solutions p 481 A95-93807

BUBBLES
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (1) — Abstract only p 108 A95-63764
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (2) — Abstract only p 110 A95-63779
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble
[HTN-95-A0114] p 198 A95-68897
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
Oxygen transport to tissue by persistent bubbles: Theory and simulations
[HTN-95-70493] p 228 A95-71515
Experimental investigation of picosecond optical breakdown in water and biological tissues p 433 A95-87820
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665

BUILDINGS
Concordia Station p 23 N95-11602
Habitability of Australian Antarctic stations p 24 N95-11603
Architectural concept of Antarctic station of a new generation p 24 N95-11604
Use of the underground for extreme environments p 24 N95-11610

BUOYANCY
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
Postural control of fish related to gravity input p 361 A95-82605
Postural control of fish related to gravity input p 44 N95-15118
Inflatable life vest
[AD-D017273] p 471 N95-29600

BY-PRODUCTS
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341

C

C++ (PROGRAMMING LANGUAGE)
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046

C-135 AIRCRAFT
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775

CABIN ATMOSPHERES
Life support systems
[AAS PAPER 91-320] p 458 A95-87471
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621

CAFFEINE
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300
Caffeine's influence on critical frequency thresholds
[AD-A282005] p 173 N95-17447

CALCIFEROL
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347

CALCIFICATION
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530

CALCIUM
Immunolocalization of an annexin-like protein in corn
[ISBN 0-08-042485-6] p 10 A95-60672
Phosphate microaggregates in Archean sediments — Abstract only p 135 A95-63897
Life on Mars? 2: Physical restrictions p 215 A95-66773
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
Ca(2+) and lipolysis in adipocytes from exercise-trained rats
[HTN-95-70462] p 221 A95-71484
Physiology and physiopathology of equilibration
[PB95-208328] p 491 N95-30494

CALCIUM CARBONATES
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171

CALCIUM METABOLISM
Immunolocalization of an annexin-like protein in corn
[ISBN 0-08-042485-6] p 10 A95-60672
Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Exercise training improves metabolic response after ischemia in isolated working rat heart
[HTN-95-10080] p 53 A95-61931
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs
[HTN-95-A0597] p 272 A95-74298
Recovery from increased pressure or increased leakiness edema in perfused sheep lungs
[HTN-95-A0602] p 273 A95-74303

Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
Free and membrane-bound calcium in microgravity and microgravity effects at the membrane level p 412 A95-87510
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats p 418 A95-88594
Effects of short-term spaceflight and recombinant human growth hormone (rhGH) on bone growth in young rats
[HTN-95-01214] p 426 A95-91446
Spaceflight results in depressed cancellous bone formation in rat humeri
[HTN-95-01215] p 426 A95-91447

CALCIUM PHOSPHATES
Phosphorus as a potential guide in the search for extinct life on Mars p 216 A95-66775
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468

CALCULI
Characterization of fracture toughness of renal calculi using a microindentation technique
[BTN-94-EIX94361122293] p 209 A95-65873

CALIBRATING
A simple handheld push-button device for in situ calibration of pneumotachographs
[HTN-95-A0682] p 292 A95-74383
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998

CALMODULIN
Ca(2+) and lipolysis in adipocytes from exercise-trained rats
[HTN-95-70462] p 221 A95-71484

CALORIC REQUIREMENTS
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529

CAMERAS
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891

CANADA
Educational projects in Space Life Sciences in Canada
[ISBN 0-08-042485-6] p 12 A95-60691
A computerized selection test for Canadian forces Air Traffic Controllers p 498 A95-95103

CANADIAN SPACE PROGRAM
Educational projects in Space Life Sciences in Canada
[ISBN 0-08-042485-6] p 12 A95-60691

CANCER
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421282962] p 349 A95-78962
Principles of constructing an expert system for medical thermal vision
[HTN-95-61164] p 399 A95-86263
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
Deeper-penetrating waves in lossy media p 424 A95-90934
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

CANOPIES (VEGETATION)
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590

CAPILLARIES
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume
[HTN-95-A0153] p 208 A95-68936
Altered mechanical properties of lung parenchyma in postobstructive pulmonary vasculopathy
[HTN-95-70484] p 226 A95-71506
Oxygen transport to tissue by persistent bubbles: Theory and simulations
[HTN-95-70493] p 228 A95-71515
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
Effects of pulmonary blood flow on the fractal nature of flow heterogeneity in sheep lungs
[HTN-95-A0724] p 302 A95-75293

CAPILLARIES (ANATOMY)
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data
[HTN-95-A0125] p 201 A95-68908
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951

CAPILLARY FLOW
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400
Peculiarities of moisture transfer in capillary-porous soil substitutes during space flight p 476 A95-93764
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
Development of novel separation techniques for biological samples in capillary electrophoresis
[DE95-001672] p 305 N95-22493

CAPILLARY TUBES
Development of novel separation techniques for biological samples in capillary electrophoresis
[DE95-001672] p 305 N95-22493

CARBOHYDRATE METABOLISM
Soybean cotyledon starch metabolism is sensitive to altered gravity conditions
[ISBN 0-08-042485-6] p 4 A95-60644
Cell biology of plant gravity sensing
[ISBN 0-08-042485-6] p 4 A95-60646
Mechanical analysis of statolith action in roots and rhizoids
[ISBN 0-08-042485-6] p 5 A95-60647
Increased dependence on blood glucose in smokers during rest and sustained exercise
[HTN-95-10054] p 46 A95-61905
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963
Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
Suitability of 2-deoxyglucose for in vitro measurement of glucose transport activity in skeletal muscle
[HTN-95-60045] p 70 A95-62153
Early alterations in soleus GLUT-4, glucose transport, and glycogen in voluntary running rats
[HTN-95-70073] p 75 A95-62515
Endurance training fails to inhibit skeletal muscle glucose uptake during exercise
[HTN-95-70074] p 75 A95-62516
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531
Phosphorylation of glyceric acid --- Abstract only p 112 A95-63786
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
Free fatty acid metabolism in aerobically fit individuals
[HTN-95-50863] p 236 A95-73053
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300

Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971
Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat p 418 A95-88593

CARBOHYDRATES
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Structures and functions of oligosaccharins
[DE95-003195] p 249 N95-22220
Structural studies of complex carbohydrates of plant cell walls
[DE95-005545] p 345 N95-24368
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558

CARBON
Ion irradiation of organic and biological materials — Abstract only p 111 A95-63781
Biochemical markers in Precambrian sediments - Indian subcontinent — Abstract only p 128 A95-63863
Laboratory astrophysics and molecular astronomy of pure carbon molecules p 189 A95-66753
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765
Life on Mars? 2: Physical restrictions p 215 A95-66773
Biogeochemical evidence of microbial activity on Mars p 192 A95-66780
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720

CARBON COMPOUNDS
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801

CARBON CYCLE
Isotope fractionations in the terrestrial carbon cycle: A brief overview p 195 A95-66807
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859

CARBON DIOXIDE
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913
Inhomogeneity of pulmonary perfusion during sustained microgravity on SLS-1
[HTN-95-10102] p 59 A95-61953
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans
[HTN-95-A0108] p 197 A95-68891
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
Cisternal Na(+) transport inhibition and the ventilatory response to CO2
[HTN-95-70465] p 222 A95-71487
Dose dependency of perceived breathlessness on hypoventilation during exercise in normal subjects
[HTN-95-70469] p 222 A95-71491
Lactate and acid-base exchange during brief intense contractions of skeletal muscle in situ
[HTN-95-A0607] p 274 A95-74308
Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
Cerebellar modulation of ventilatory response to progressive hypercapnia
[HTN-95-A0684] p 292 A95-75253
Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859
Intra-airway CO2 distribution during airway insufflation in ventilatory failure
[HTN-95-91895] p 338 A95-81997
Ventilatory responses to dead space and CO2 breathing under inspiratory resistive load
[HTN-95-91896] p 339 A95-81998
Quantifying the potential of infant bedding to limit CO2 dispersal and factors affecting rebreathing in bedding
[HTN-95-91920] p 344 A95-82022
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
Proximate nutritional composition of CELSS crops grown at different CO2 partial pressures p 477 A95-93780
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
Root growth and development in response to CO2 enrichment
[NASA-CR-196154] p 142 N95-16429
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158

CARBON DIOXIDE CONCENTRATION
Carbon Dioxide interactions with irradiance and termperature in potatoes p 479 A95-93790
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792
Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce p 479 A95-93793
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
Elevated CO2: Impact on diurnal patterns of photosynthesis in natural microbial ecosystems p 480 A95-93796
ECOSIMP2 model: Prediction of CO2 concentration changes and carbon status in closed ecosystems p 480 A95-93800
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

CARBON DIOXIDE REMOVAL
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system p 396 A95-82508
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system
[SAE PAPER 932062] p 466 A95-91641
Absorption and steam desorption performance of weak base anion exchange resin
[HTN-95-93119] p 523 A95-95620

CARBON DIOXIDE TENSION
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340

CARBON FIBERS
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614

CARBON ISOTOPES
Prebiotic organic compounds in Antarctic carbonaceous chondrites — Abstract only p 107 A95-63760
Isotope fractionations in the terrestrial carbon cycle: A brief overview p 195 A95-66807

CARBON MONOXIDE
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940
Behavioral effects of carbon monoxide: Meta analyses and extrapolations
[HTN-95-10108] p 60 A95-61959
Inhibition of aldosterone release by hypoxia in vitro: Interaction with carbon monoxide
[HTN-95-60031] p 67 A95-62139
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
Carbon monoxide does not modulate pulmonary vascular reactivity in isolated rat lungs
[AD-A283190] p 143 N95-17714
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979

CARBON STARS
Laboratory astrophysics and molecular astronomy of pure carbon molecules p 189 A95-66753

CARBON 13
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763

CARBONACEOUS CHONDRITES
Prebiotic organic compounds in Antarctic carbonaceous chondrites — Abstract only p 107 A95-63760
The use of the ninhydrin reaction for the elimination of protein amino acids in cosmogeochemical samples — Abstract only p 109 A95-63771
Inhibition of amino acid metabolic enzymes by alpha-aminoisobutyric acid — Abstract only p 131 A95-63876
Possible presence of unsaturated hydrocarbon gases in comet nuclei and their role in the origin of life — Abstract only p 186 A95-63923
Cometary origin of the biosphere: A progress report p 189 A95-66757
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765

CARBONACEOUS METEORITES
Life from the stars? — extraterrestrial sources contributing to chemical evolution on Earth
[HTN-95-20821] p 230 A95-72081

CARBONATES
Prebiotic synthesis of pentaerythritol from formaldehyde investigation of the mechanism --- Abstract only
p 110 A95-63778
Life in Isua times? A frontier revisited --- Abstract only
p 127 A95-63857
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859
CARBONIC ANHYDRASE
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
CARBONIZATION
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation
p 434 A95-87826
CARBOXYHEMOGLOBIN
Behavioral effects of carbon monoxide: Meta analyses and extrapolations
[HTN-95-10108] p 60 A95-61959
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979
CARBOXYHEMOGLOBIN TEST
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979
CARBOXYLATES
Molecular replication: From minimal to complex systems --- Abstract only p 114 A95-63796
A model for the prebiotic synthesis of proteins --- Abstract only p 118 A95-63819
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
CARBOXYLIC ACIDS
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds --- Abstract only p 110 A95-63776
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis
[HTN-95-01237] p 427 A95-91469
Membrane phase separations, asymmetry and implications in the origin of life
[DE94-628486] p 308 N95-23050
CARCINOGENS
Radiation: What determines the risk?
p 350 A95-81450
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Cellular responses to environmental DNA damage
[DE94-015606] p 249 N95-22397
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program
[DE95-008097] p 387 N95-28136
CARDIAC AURICLES
Distribution function of transit times in the human pulmonary circulation
[HTN-95-10133] p 66 A95-61984
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
CARDIAC OUTPUT
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men
[HTN-95-10100] p 58 A95-61951
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
Hyperinflation with intrinsic PEEP and respiratory muscle blood flow
[HTN-95-50867] p 237 A95-73057
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
Evaluation of a transit-time system for the chronic measurement of blood flow in conscious sheep
[HTN-95-91892] p 338 A95-81994
Ventilation and carbon dioxide exchange in exercising horses: Effect of inspired oxygen fraction
[HTN-95-91908] p 341 A95-82010
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
Effects of weightlessness on human baroreflex function p 154 N95-16770
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611
New advances in physiological measurements during high-G: Technology p 532 N95-34057
CARDIAC VENTRICLES
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
CARDIOGRAPHY
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans
[HTN-95-A0108] p 197 A95-68891
CARDIOLOGY
Fluid flow and heat transfer in the crescent-shaped lumen catheter
[BTN-94-EIX94361122408] p 209 A95-65904
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940
CARDIOVASCULAR SYSTEM
Ultrastructural and cellular mechanisms in myocardial deconditioning in weightlessness
[ISBN 1-55938-409-3] p 1 A95-60153
Applied potential tomography shows differential changes in fluid content of leg tissue layers in microgravity
[ISBN 0-08-042485-6] p 14 A95-60674
Artificial gravity as a countermeasure of physiological deconditioning in space
[ISBN 0-08-042485-6] p 15 A95-60683
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume
[HTN-95-A0153] p 208 A95-68936
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309
Cardiorespiratory changes during microwave-induced lethal heat stress and beta-adrenergic blockade
[HTN-95-A0625] p 279 A95-74326
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats
[HTN-95-A0688] p 293 A95-75257
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Heat-induced structural alterations in myocardium in relation to changing optical properties
[BTN-94-EIX94421282947] p 348 A95-78958
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats
[HTN-95-91917] p 344 A95-82019
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
Volume regulation in humans during weightlessness
p 438 A95-88568
Cardiovascular system and its regulation in space flights p 439 A95-88577
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound
p 444 A95-90863
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1)
p 84 N95-14224
The Physiologist, volume 36, number 1, supplement
p 85 N95-15089
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans
p 85 N95-15090
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight
p 42 N95-15094
Hemodynamic responses to passive body tilts
p 86 N95-15096
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097

Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
The relationship between space sickness and preflight diet p 88 N95-15122
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity p 90 N95-15138
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
Aviation epidemiology data register: Coronary angiography outcomes of civilian aviators flying US aircraft
[AD-A285191] p 147 N95-16405
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Effects of weightlessness on human baroreflex function p 154 N95-16770
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Intramyocardial blood volume and oxygen exchange
[PB95-108015] p 256 N95-21580
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310

CARGO AIRCRAFT
Test and evaluation of the Impact Instrumentations, Inc. Uni-Vent model 750M ventilator
[AD-A292321] p 470 N95-28792

CAROTENE
Beta-Carotene and CNS oxygen toxicity in rats
[HTN-95-10105] p 59 A95-61956

CAROTID SINUS BODY
Acetylcholine and carotid body excitation during hypoxia in the cat
[HTN-95-10094] p 57 A95-61945
Effect of Na(+) and K(+) channel blockade on baseline and anoxia-induced catecholamine release from rat carotid body
[HTN-95-70467] p 222 A95-71489
Effect of dopamine on hypoxic ventilatory response of sedated piglets with intact and denervated carotid bodies
[HTN-95-A0611] p 275 A95-74312
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB
[HTN-95-00414] p 323 A95-81931

CAROTID SINUS REFLEX
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886

CARTILAGE
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514

CASE HISTORIES
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
AMDRS: A resource for intelligent aeromedical decision-making p 162 N95-19419
Think health not disease p 164 N95-19429

CASTING
Design and technical support for development of a molded fabric space suit joint
[NASA-CR-197521] p 179 N95-16894

CASTOR OIL
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909

CASUALTIES
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627

CATABOLISM
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873

CATALYSIS
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems --- Abstract only p 119 A95-63825
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
Utilization of cofactors expands metabolism in a new RNA world
[HTN-95-A0477] p 230 A95-72548
N6-substituted adenine derivatives and RNA primitive catalysts
[HTN-95-A0478] p 230 A95-72549
Catalysis and prebiotic RNA synthesis
[HTN-95-A0479] p 231 A95-72550
Binding of adenine and adenine-related compounds to the clay montmorillonite and the mineral hydroxylapatite p 420 A95-88731
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis
[HTN-95-01237] p 427 A95-91469
Enantioselective autocatalysis. 2: Racemization studies on a 1, 4-benzodiazepinooxazole derivative
[HTN-95-01239] p 428 A95-91471
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697
Cofactor-assisted antibody catalysis
[AD-A288929] p 379 N95-26608
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin
[AD-A290439] p 487 N95-30452

CATALYSTS
N6-substituted adenine derivatives and RNA primitive catalysts
[HTN-95-A0478] p 230 A95-72549
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510
On the absolute meaning of the energy scale approximately kT in the thermal interference involved in enzyme-coupled reactions
[HTN-95-92207] p 375 A95-84063
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364

CATALYTIC ACTIVITY
Cofactor-assisted antibody catalysis
[AD-A288929] p 379 N95-26608

CATECHOLAMINE
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
Right atrial pressure and ANP release during prolonged exercise in a hot environment
[HTN-95-70075] p 76 A95-62517
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
Effect of Na(+) and K(+) channel blockade on baseline and anoxia-induced catecholamine release from rat carotid body
[HTN-95-70467] p 222 A95-71489
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
Interactive effects of K(+), acidosis, and catecholamines on isolated rabbit heart; implications for exercise
[HTN-95-A0695] p 295 A95-75264
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB
[HTN-95-00414] p 323 A95-81931
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
Extracellular ionic composition alters kinetics of vesicular release of catecholamines and quantal size during exocytosis at adrenal medullary cells
[AD-A281613] p 146 N95-16112

CATEGORIES
Categorization and prioritization of flight deck information p 495 A95-95054

CATHETERIZATION
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611

CATHETOMETERS
Fluid flow and heat transfer in the crescent-shaped lumen catheter
[BTN-94-EIX94361122408] p 209 A95-65904

CATHODE RAY TUBES
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406

CAUSES
ASRS and aviation psychology p 510 A95-95206

CAVES
Use of the underground for extreme environments p 24 N95-11610
An overview of underground space as an extreme environment p 24 N95-11611
CAVITATION FLOW
Experimental investigation of picosecond optical breakdown in water and biological tissues p 433 A95-87820
CAVITIES
Inflatable life vest
[AD-D017273] p 471 N95-29600
CELL DIVISION
Development and chromosome mechanics in nematodes: Results from IML-1
[ISBN 0-08-042485-6] p 6 A95-60657
Mammalian cell cultivation in space p 27 A95-61564
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-28519
CELL MEMBRANES (BIOLOGY)
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath)
[HTN-94-00465] p 1 A95-60154
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
Structure and functions of simple membrane-water interfaces --- Abstract only p 125 A95-63848
Molecular modelling of cellular and precellular membrane systems --- Abstract only p 125 A95-63849
A model for biogenesis based on thermosynthesis --- Abstract only p 125 A95-63850
The formation of 'minimal protocell': Thermodynamical and mechanical aspects --- Abstract only p 125 A95-63851
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins --- Abstract only p 125 A95-63852
Development and diversification of the last universal ancestor --- Abstract only p 132 A95-63878
Cilium (undulipodium): Origin and geometry --- Abstract only p 134 A95-63886
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
Inferences on passive diaphragm mechanics from gross anatomy
[HTN-95-50888] p 242 A95-73078
Electrical model for ion channels in excitable membranes
[BTN-94-EIX94371346929] p 269 A95-73341
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
Possible mechanisms of plant cell wall changes at microgravity p 408 A95-87490
Studies of the interaction of gravity with biological membranes using alamethicin doped planar lipid bilayers as a model system p 411 A95-87506
Liposome formation in microgravity p 412 A95-87507
Physico-chemical characteristics of biomembranes and cell gravisensitivity p 412 A95-87508
Free and membrane-bound calcium in microgravity and microgravity effects at the membrane level p 412 A95-87510
State of erythrocyte membrane in man and monkeys after space flight p 432 A95-87511
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields
[DE94-015200] p 143 N95-18371
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075
Plant metabolism and cell wall formation in space (microgravity) and on Earth
[NASA-CR-197618] p 306 N95-22801
Membrane phase separations, asymmetry and implications in the origin of life
[DE94-628486] p 308 N95-23050
Enhancement of biomembrane functions under phase-separated conditions: A self-organized criticality phenomenon?
[DE94-628489] p 308 N95-23053
Contribution of ankyrin-band 3 complexes to the organization and mechanical properties of the membrane skeleton of human erythrocyte
[DE95-005835] p 352 N95-24427
Electrical and electronic properties of self-assembled lipid bilayers
[AD-A290507] p 431 N95-29155
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924
CELLS (BIOLOGY)
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
Pituitary cells in space
[ISBN 0-08-042485-6] p 3 A95-60638
In vitro plant cell growth in microgravity and on clinostat
[ISBN 0-08-042485-6] p 3 A95-60641
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
Mechanical analysis of statolith action in roots and rhizoids
[ISBN 0-08-042485-6] p 5 A95-60647
Development of plant protoplasts during the IML-1 mission
[ISBN 0-08-042485-6] p 6 A95-60655
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
Particle method for population waves
[BTN-94-EIX94341340324] p 27 A95-60860
A model for biogenesis based on thermosynthesis --- Abstract only p 125 A95-63850
Development and diversification of the last universal ancestor --- Abstract only p 132 A95-63878
Early gene duplication and the origin of biochemical regulation --- Abstract only p 133 A95-63882
The role of accuracy for early cooperative stages of the origin of life --- Abstract only p 133 A95-63883
Cilium (undulipodium): Origin and geometry --- Abstract only p 134 A95-63886
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
[HTN-95-00430] p 327 A95-81947
A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
Effect of gravity on plant growth and cell wall properties p 363 A95-82610
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
Theories and models on the biological of cells in space p 408 A95-87486
A theory of gravikinesis in Paramecium p 408 A95-87487
Cellular responses to endogenous electrochemical gradients in morphological development p 408 A95-87489
Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus p 409 A95-87495
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
The theoretical consideration of microgravity effects on a cell p 412 A95-87509
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla p 418 A95-88591
Lymphocyte experiment on SLS-1 p 442 A95-88596
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-196385] p 13 N95-10337
Neuronal types in the chicken's statoacoustic ganglion p 44 N95-15116
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378
Cell culture and transplantation of the suprachiasmatic circadian pacemaker
[AD-A280977] p 148 N95-16481
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields
[DE94-015200] p 143 N95-18371
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-197367] p 246 N95-20559
Flow cytometry: A powerful technology for measuring biomarkers
[DE94-018284] p 249 N95-22296
Cellular responses to environmental DNA damage
[DE94-015606] p 249 N95-22397
Structural studies of complex carbohydrates of plant cell walls
[DE95-003099] p 310 N95-24075
Structures and functions of oligosaccharins
[DE95-003140] p 345 N95-24225
Structural studies of complex carbohydrates of plant cell walls
[DE95-005545] p 345 N95-24368
Electrophoretic separation of cells and particles from rat pituitary --- analysis of pituitary cell electrophoresis experiment done on IML-2 (7/94)
[NASA-CR-197975] p 345 N95-24475
Comparative Transduction Mechanisms of Vestibular Otolith Hair Cells
[NASA-CR-197980] p 379 N95-26727
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity p 380 N95-26729
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730

Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 1: Responses to intracellular current p 380 N95-26731
Comparative transduction mechanisms of hair cells in the bullfrog uticulus. 2: Sensitivity and response dynamics to hair bundle displacement p 381 N95-26732
Hippocampal place fields, the internal compass, and the learning of landmark stability
[AD-A289406] p 381 N95-27100
The electrical behaviour of an excitable cell at different conditions
[DE95-607911] p 381 N95-27254
Mutagenesis in human cells with accelerated H and Fe ions
[NASA-CR-198599] p 382 N95-28177
Third international congress of plant molecular biology: Molecular biology of plant growth and development
[DE95-006482] p 383 N95-28496
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
Electrical and electronic properties of self-assembled lipid bilayers
[AD-A290507] p 431 N95-29155
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728

CELLULOSE
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
Structural studies of complex carbohydrates of plant cell walls
[DE95-005545] p 345 N95-24368

CENOZOIC ERA
Isopranylglycerol diethers in non-alkaline recent and miocene evaporitic environments — Abstract only p 138 A95-63913

CENTRAL NERVOUS SYSTEM
Prediction of central nervous system oxygen toxicity in rats
[HTN-95-A0666] p 288 A95-74367
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Effects of anti-emetics on motion sickness of rats p 416 A95-88575
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360
The role of the vestibular system in manual target localization p 533 N95-32422
Toxin-mediated transfer and expression of genes in nerve cells
[AD-A290501] p 531 N95-33200
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472

CENTRIFUGAL FORCE
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112

CENTRIFUGES
Effects of hypergravity on immunologic function
[HTN-95-60848] p 319 A95-78302
Life Sciences Centrifuge Facility assessment
[NASA-CR-196848] p 30 N95-13423
Life Sciences Centrifuge Facility review
[NASA-CR-196849] p 41 N95-13702
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
The Physiologist, volume 36, number 1, supplement p 85 N95-15089
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans p 88 N95-15120
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
Manipulating the arterial pressure to prevent G-LOC p 88 N95-15123
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
Centrifuges in gravitational physiology research p 91 N95-15147
Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424

CENTRIFUGING
Influence of gravity on the circadian timing system
[ISBN 0-08-042485-6] p 11 A95-60682
Artificial gravity as a countermeasure of physiological deconditioning in space
[ISBN 0-08-042485-6] p 15 A95-60683
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457

CENTRIFUGING STRESS
Effects of altered gravity on plant cell processes: Results of recent space and clinostatic experiments
[ISBN 0-08-042485-6] p 3 A95-60640

CENTRIPETAL FORCE
Centrifuges in gravitational physiology research p 91 N95-15147

CERAMIC FIBERS
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359

CERAMICS
Waste disposal options for refractory tearout
[HTN-95-81618] p 458 A95-87666

CEREBELLUM
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539
Cerebellar modulation of ventilatory response to progressive hypercapnia
[HTN-95-A0684] p 292 A95-75253
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination
[AD-A284023] p 160 N95-18656

CEREBRAL CORTEX
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination
[AD-A284023] p 160 N95-18656

CEREBRAL VENTRICLES
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340

CEREBROSPINAL FLUID
Protein accumulation in cerebrospinal fluid during -90 deg head-down tilt in rabbit
[HTN-95-A0685] p 292 A95-75254
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
Diffusible driving and coupling signals of the biological clock
[AD-A285353] p 258 N95-22475

CEREBRUM
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Cumulative effects of repeated brief cerebral ischemia
[AD-A284234] p 210 N95-19698
Non-invasive detection of increased intracranial pressure using acoustical techniques
[AD-A279292] p 351 N95-24309
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263

CERTIFICATION
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
On the use of the systems approach to certify advanced aviation technologies p 540 N95-34765
A psychologist's view of validating aviation systems p 540 N95-34767
Certification of tactics and strategies in aviation p 541 N95-34768
Human factors certification: A useful concept? p 541 N95-34769
Certify for success: A methodology for human-centered certification of advanced aviation systems p 541 N95-34773
Certification of training p 535 N95-34774
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776
Practical guidelines for workload assessment p 542 N95-34777
Towards a framework of human factors certification of complex human-machine systems p 542 N95-34779
The successful management of programs for human factors certification of advanced aviation technologies p 543 N95-34780
Evaluation in context: ATC automation in the field p 543 N95-34781
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782
Certification for civil flight decks and the human-computer interface p 544 N95-34784
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

CHAINS
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861

CHARACTER RECOGNITION
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439

CHARACTERIZATION
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426

CHARGE COUPLED DEVICES
Time resolving detector systems for radiobiological investigations of effects of single heavy ions p 349 A95-81440
Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892

CHARGE TRANSFER
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326

CHARTS
Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575
The Biological System of the Elements (BSE) for terrestrial plants (glycophytes)
[GTN-95-00489697-4147] p 429 A95-92252
Design and evaluation of instrument approach procedure charts p 518 A95-95050
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140

CHEMICAL ANALYSIS
Oligonucleotides as probes for studying polymerization reactions under prebiotic conditions — Abstract only p 121 A95-63833
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570

CHEMICAL ATTACK
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625

CHEMICAL BONDS
Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand --- Abstract only p 118 A95-63816

CHEMICAL COMPOSITION
CoMA a high resolution TOF-SIMS for in-situ analysis of cometary matter --- Abstract only p 109 A95-63772
Isotopic ratios in planetary atmospheres p 218 A95-66806
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666

CHEMICAL EFFECTS
Development of an in vitro model assay system for the evaluation of the effects of toxic chemicals on human airways
[AD-A285074] p 148 N95-16491
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

CHEMICAL ELEMENTS
The Biological System of the Elements (BSE) for terrestrial plants (glycophytes)
[GTN-95-00489697-4147] p 429 A95-92252

CHEMICAL EQUILIBRIUM
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875

CHEMICAL EVOLUTION
ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993 --- Abstracts only
[HTN-95-40049] p 105 A95-63744
The origin and early evolution of ISSOL --- Abstract only p 106 A95-63745
Chemistry of potentially prebiological natural products --- Abstract only p 106 A95-63746
Prebiotic synthesis of organic compounds: A review and new results --- Abstract only p 106 A95-63747
Delivery of interstellar prebiotic organics to the earth by comets --- Abstract only p 106 A95-63748
The cosmic origin of prebiotic molecules --- Abstract only p 106 A95-63749
The organic and mineral inventory of comets and the possible role in early biological activities: A summary of the mass spectrometric studies of comet p/Halley --- Abstract only p 182 A95-63750
Polymers and other macromolecules in comets -- A possible relationship to the origins of life --- Abstract only p 182 A95-63751
The origin and early evolution of the atmospheres of the inner planets --- Abstract only p 182 A95-63752
Titan: A planetary laboratory for studying prebiotic evolution --- Abstract only p 183 A95-63753
Organic aerosols in the atmosphere of Titan --- Abstract only p 183 A95-63754
The meteoritic record of presolar and early solar system organic chemistry --- Abstract only p 183 A95-63755
Prebiotic molecules in comets --- Abstract only p 183 A95-63756
Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite --- Abstract only p 106 A95-63757
Specific effect of magnesium ion on AMP synthesis from adenosine and trimetaphosphate in aqueous solution --- Abstract only p 107 A95-63758
A redox beginning: Which came first phosphoryl, acyl, or electron transfer ? --- Abstract only p 107 A95-63759
Prebiotic organic compounds in Antarctic carbonaceous chondrites --- Abstract only p 107 A95-63760
Investigations about alpha-aminoacid synthesis under prebiotic conditions --- Abstract only p 107 A95-63761
Urazole is a potential precursor to uracil --- Abstract only p 107 A95-63762
Prebiotic synthesis of hydroxymethyluracil and some t-RNA bases --- Abstract only p 108 A95-63763
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (1) --- Abstract only p 108 A95-63764
The Strecker synthesis from interstellar precursors as a source of amino acids in carbonaceous chondrites: Deuterium retention during synthesis --- Abstract only p 108 A95-63765
Computer simulation of astrophysical ices --- Abstract only p 108 A95-63766
Elemental and isotopic composition of cometary grains: Implications for abiotic synthesis --- Abstract only p 108 A95-63767
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions --- Abstract only p 109 A95-63768
Cyanide polymers in the solar system: Miller-Urey revisited --- Abstract only p 109 A95-63769
The use of the ninhydrin reaction for the elimination of protein amino acids in cosmogeochemical samples --- Abstract only p 109 A95-63771
CoMA a high resolution TOF-SIMS for in-situ analysis of cometary matter --- Abstract only p 109 A95-63772
Cometary coma chemical composition (C4) mission --- Abstract only p 110 A95-63773
Ultraviolet photochemistry of cyanoacetylene: Application to Titan --- Abstract only p 110 A95-63774
Photolysis of gaseous mixtures containing phosphine or germane --- Abstract only p 184 A95-63775
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds --- Abstract only p 110 A95-63776
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst --- Abstract only p 110 A95-63777
Prebiotic synthesis of pentaerythritol from formaldehyde investigation of the mechanism --- Abstract only p 110 A95-63778
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (2) --- Abstract only p 110 A95-63779
Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile --- Abstract only p 111 A95-63780
Ion irradiation of organic and biological materials --- Abstract only p 111 A95-63781
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions --- Abstract only p 111 A95-63782
The prebiotic role of adenine: A critical analysis --- Abstract only p 111 A95-63784
Separation and characterization of high molecular weight oligomers from ImpA and volclay reaction --- Abstract only p 112 A95-63785
Phosphorylation of glyceric acid --- Abstract only p 112 A95-63786
Oxidation of aniline on the metal ferrocyanides --- Abstract only p 112 A95-63787
Cooperative binding of nucleotides and their derivatives to clay and mineral surfaces --- Abstract only p 112 A95-63788
Site of adsorption of nucleic bases and their derivatives on clay surfaces --- Abstract only p 112 A95-63789
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere --- Abstract only p 113 A95-63790
Molecular replication: From minimal to complex systems --- Abstract only p 114 A95-63796
An approach to prebiotic synthesis of oligoribonucleotides --- Abstract only p 114 A95-63797
Origin of primitive translating systems --- Abstract only p 114 A95-63798
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? --- Abstract only p 114 A95-63799
A novel computational method to simulate non-enzymatic self-replication --- Abstract only p 114 A95-63800
Polypeptide-assisted oligomerization of nucleotide analogs --- Abstract only p 114 A95-63801
Template-directed reactions: Kinetic and mechanistic analysis --- Abstract only p 115 A95-63803
Oligomerization of a nucleotide analog related to barbituric acid --- Abstract only p 115 A95-63804
In vitro selection of optimal DNA substrates for ligation --- Abstract only p 115 A95-63805
An assemblage of free amino acids as a possible prebiotic enzyme --- Abstract only p 115 A95-63806
Catalytic studies of biomimetic molecular systems and origin of life --- Abstract only p 116 A95-63807
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC --- Abstract only p 116 A95-63808
Evolution of biocatalysts: Ribozymes may have been preceded by 'chelazymes' --- Abstract only p 116 A95-63809
2-Aminopropionitrile polymer --- Abstract only p 116 A95-63810
Nonenzymatic peptide formation and aminoacylation --- Abstract only p 117 A95-63811
Poly-tRNA theory on the origin of mRNA and genetic codes --- Abstract only p 117 A95-63813
Evolution of the tRNA cloverleaf structure --- Abstract only p 117 A95-63815
Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand --- Abstract only p 118 A95-63816
Three stages during the evolution of the genetic code --- Abstract only p 118 A95-63817
Recent investigations on a primitive tRNA model --- Abstract only p 118 A95-63818
A model for the prebiotic synthesis of proteins --- Abstract only p 118 A95-63819
Nanobiological principles and the origin of life --- Abstract only p 119 A95-63821
Self-replicating oligonucleotides --- Abstract only p 119 A95-63822
Complexity acquisition during prebiotic evolution --- Abstract only p 119 A95-63823
Evolution of catalytic networks formed by self-replicative species --- Abstract only p 119 A95-63824
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems --- Abstract only p 119 A95-63825
The origin of the genetic code: An approach on the base of the progene hypothesis --- Abstract only p 120 A95-63826
Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin --- Abstract only p 120 A95-63827
Correlations between structural and chemical properties of amino acids and their place in the genetic code table --- Abstract only p 120 A95-63828
The reverse genetic code and the central dogma of molecular biology --- Abstract only p 120 A95-63829
Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world --- Abstract only p 120 A95-63830
Amino-acyl-t-RNA synthetases and the evolution of the genetic code --- Abstract only p 121 A95-63831
Mechanisms for the polymerization of nucleotides by alpha-particle radiolysis in aqueous solution --- Abstract only p 121 A95-63832
Oligonucleotides as probes for studying polymerization reactions under prebiotic conditions --- Abstract only p 121 A95-63833
Kinetics of dimerization and oligomerization of the 5'-phosphorimidazolide of adenosine on Na(+)-montmorillonite --- Abstract only p 121 A95-63835
Oligomerization of nucleotide imidazolides on Na(+)-montmorillonite clay: A model for the prebiotic synthesis of RNA --- Abstract only p 122 A95-63836
Oligomerization of nucleotide imidazolides on Na(+)-montmorillonite clay: A model for the prebiotic synthesis of RNA --- Abstract only p 122 A95-63836
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides --- Abstract only p 122 A95-63837
Copper complexes: Model for early enzymes --- Abstract only p 122 A95-63838
Thermal hetercomplex molecules from amino acids and their catalytic capabilities --- Abstract only p 122 A95-63839
Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein --- Abstract only p 123 A95-63841
Autocatalytic accretion of prebiotic molecules in aqueous environments --- Abstract only p 123 A95-63842
The origin of genetic information --- Abstract only p 123 A95-63843
Phosphate compounds in precellular and early cellular energy conversion --- Abstract only p 123 A95-63844
Phylogeny of proton pumping ATPases: Implication for the early evolution of life --- Abstract only p 124 A95-63845
Chemical autopoiesis: Self-replicating micelles and vesicles --- Abstract only p 124 A95-63846
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems --- Abstract only p 124 A95-63847
Earth's early atmosphere: How reducing was it? --- Abstract only p 126 A95-63856
Life in Isua times? A frontier revisited --- Abstract only p 127 A95-63857
The origin of the terrestrial oceans inferred from their oxygen isotopic compositions --- Abstract only p 184 A95-63859
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life --- Abstract only p 184 A95-63860
Nitrogen isotopic composition of organic matter: Chemical fossils in Precambrian cherts --- Abstract only p 127 A95-63861
Magnetite: What it reveals about the origin of the banded iron formations --- Abstract only p 128 A95-63862
Biochemical markers in Precambrian sediments - Indian subcontinent --- Abstract only p 128 A95-63863
Amino acid stereochemistry in cosmogeochemical samples and the origin of amino acid chirality on Earth --- Abstract only p 129 A95-63867
Chirality, cosmochemistry and life --- Abstract only p 129 A95-63868

Setting the stage for the emergence of the configurationally one-sided biosphere — Abstract only p 129 A95-63869
Electroweak enantioselection and the origin of life — Abstract only p 130 A95-63870
Can biological homochirality result from a phase transition? — Abstract only p 130 A95-63871
On the possible paths of optical (photochemical) activation of living matter — Abstract only p 130 A95-63872
Uranium deposits and the origin of life — Abstract only p 131 A95-63874
Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis — Abstract only p 131 A95-63877
Early gene duplication and the origin of biochemical regulation — Abstract only p 133 A95-63882
Origin of eukaryotic cell -autogenous process from cyanobacterial world- — Abstract only p 133 A95-63885
Formation and alteration of organic compounds under submarine hydrothermal vent environments — Abstract only p 134 A95-63889
Exobiology experiments for Earth-orbital platforms — Abstract only p 185 A95-63891
The role of polyphosphates at different stages of life evolution on Earth — Abstract only p 135 A95-63895
An exobiology science strategy for Mars exploration — Abstract only p 186 A95-63901
Equally parsimonious pathways of RNA evolution may not be equally valid — Abstract only p 136 A95-63906
Archaebacterial ribulose bisphosphate carboxylase — Abstract only p 138 A95-63914
The potential for prebiotic synthesis in hydrothermal systems — Abstract only p 138 A95-63915
Amino acid stability in hydrothermal vents — Abstract only p 138 A95-63916
Evidence and conditions for synthesis of organic compounds in hydrothermal systems — Abstract only p 139 A95-63919
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems — Abstract only p 139 A95-63920
Chemistry of potentially prebiological natural products [HTN-95-10288] p 140 A95-64050
The phylogeny of tRNA molecules and the origin of the genetic code [HTN-95-10289] p 140 A95-64051
Inorganic self-organisation in Precambrian cherts [HTN-95-10291] p 140 A95-64053
Role of metal ferrocyanides in chemical evolution [HTN-95-10292] p 140 A95-64054
Template-directed chemistry and the origins of the RNA world [HTN-95-10293] p 141 A95-64055
A hypothesis: Reciprocal information transfer between oligonibonucleotides and oligopeptides in prebiotic molecular evolution [HTN-95-10294] p 141 A95-64056
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992 [ISBN 0-08-042540-2] p 214 A95-66751
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite p 190 A95-66762
Origin of amino acids in the early solar system p 214 A95-66764
Exobiological exploration of Mars p 215 A95-66770
Chemical studies on the possible existence of life on Mars p 216 A95-66774
Phosphorus as a potential guide in the search for extinct life on Mars p 216 A95-66775
Role of trace metal ions in chemical evolution. The case of free-radical reactions p 194 A95-66799
Life from the stars? — extraterrestrial sources contributing to chemical evolution on Earth [HTN-95-20821] p 230 A95-72081
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides [HTN-95-A0476] p 230 A95-72547
Utilization of cofactors expands metabolism in a new RNA world [HTN-95-A0477] p 230 A95-72548
N6-substituted adenine derivatives and RNA primitive catalysts [HTN-95-A0478] p 230 A95-72549
Catalysis and prebiotic RNA synthesis [HTN-95-A0479] p 231 A95-72550
Is ligation the only solution to the pyrophosphate problem? [HTN-95-A0480] p 231 A95-72551
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? [HTN-95-A0481] p 231 A95-72552
The RNA-world and co-evolution hypothesis and the origin of life: Implications, research strategies and perspectives [HTN-95-A0482] p 231 A95-72553
The evolutionary change of the genetic code as restricted by the anticodon and identity of transfer RNA [HTN-95-A0483] p 231 A95-72554
Experimental investigation of an RNA sequence space [HTN-95-A0484] p 231 A95-72555
RNA based evolutionary optimization [HTN-95-A0485] p 231 A95-72556
On concerned origin of transfer RNAs with complementary anticodons [HTN-95-A0486] p 232 A95-72557
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme [HTN-95-A0487] p 232 A95-72558
Cosmic evolution of the biogenic elements and compounds [HTN-95-41238] p 316 A95-75050
On the experimental investigation of the origin of biopolymer chirality [HTN-95-41640] p 319 A95-78735
ISSOL Meeting, Barcelona, Spain, 1993 [HTN-95-92680] p 419 A95-88726
Evolution of the biosynthesis of the branched-chain amino acids p 420 A95-88733
Can biological homochirality result from a phase transition? p 422 A95-88741
Mineral induced formation of sugar phosphates [HTN-95-01234] p 427 A95-91466
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways [HTN-95-01235] p 427 A95-91467
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures [HTN-95-01236] p 427 A95-91468
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis [HTN-95-01238] p 428 A95-91470
Enantioselective autocatalysis. 2: Racemization studies on a 1, 4-benzodiazepinooxazole derivative [HTN-95-01239] p 428 A95-91471
Molecular relics from chemical evolution and the origin of life [DE94-628493] p 308 N95-23060

CHEMICAL REACTION CONTROL
Terraforming with nanotechnology [HTN-95-60319] p 186 A95-65618

CHEMICAL REACTIONS
The chemical reactivity of the Martian soil and implications for future missions [HTN-95-70125] p 182 A95-63438
The prebiotic role of adenine: A critical analysis — Abstract only p 111 A95-63784
Molecular replication: From minimal to complex systems — Abstract only p 114 A95-63796
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA — Abstract only p 115 A95-63802
Effect of leaving group on the oligomerization of 5'-AMP on montmorillonite — Abstract only p 121 A95-63834
Did the very first self-replicating chemical systems need homochirality? — Abstract only p 129 A95-63866
Exobiology experiments for Earth-orbital platforms — Abstract only p 185 A95-63891
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Bioprocessing in nonaqueous media: Critical needs and opportunities [DE95-004878] p 346 N95-24843

CHEMICAL TESTS
Relevance of laboratory tests in aeromedical decisions p 163 N95-19420

CHEMILUMINESCENCE
Exhaled nitric oxide in isolated pig lungs [HTN-95-21561] p 365 A95-83346

CHEMORECEPTORS
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis [HTN-95-60051] p 72 A95-62159
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle [HTN-95-70459] p 220 A95-71481
Cisternal Na(+) transport inhibition and the ventilatory response to CO2 [HTN-95-70465] p 222 A95-71487
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity [HTN-95-A0600] p 272 A95-74301
Effect of dopamine on hypoxic ventilatory response of sedated piglets with intact and denervated carotid bodies [HTN-95-A0611] p 275 A95-74312
Time course of augmentation and depression of hypoxic ventilatory responses at altitude [HTN-95-A0615] p 276 A95-74316
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia [HTN-95-A0706] p 297 A95-75275
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB [HTN-95-00414] p 323 A95-81931
Activity of respiratory neurons during hypoxia in the chemodenervated cat [HTN-95-00417] p 324 A95-81934
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors [HTN-95-00435] p 328 A95-81952
Chamber for controlling end-tidal gas tensions over sustained periods in humans [HTN-95-00442] p 330 A95-81959
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones [HTN-95-91873] p 333 A95-81975
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat [HTN-95-21554] p 364 A95-83339
Rat retrotrapezoid nucleus iono- and metabotropic glutamate receptors and the control of breathing [HTN-95-21573] p 368 A95-83358
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine [HTN-95-21576] p 369 A95-83361
Effects on breathing of ventrolateral medullary cooling in awake goats [HTN-95-21585] p 371 A95-83370
Anti-idiotype probes for toxin detection [AD-A288955] p 379 N95-26435

CHEMOTHERAPY
Self-regulated insulin delivery system using boronic acid gel [BTN-94-EIX94381359518] p 250 A95-71755
Treatment of murine lupus with CTLA4Ig [BTN-95-EIX95302460580] p 488 A95-94245
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach [AD-A293742] p 493 N95-31570

CHEST
Effect of acceleration on the chest wall [HTN-95-10132] p 66 A95-61983
Chest wall interrupter resistance in anesthetized paralyzed humans [HTN-95-A0142] p 205 A95-68925
Adverse effect of hyperinflation on parasternal intercostals [HTN-95-50853] p 234 A95-73043
T model partition of lung and respiratory system impedances [HTN-95-00427] p 326 A95-81944
Effects of increased +G(sub z) on chest wall mechanics in humans [HTN-95-00433] p 328 A95-81950
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight p 42 N95-15094
Inflatable life vest [AD-D017273] p 471 N95-29600

CHICKENS
A direct approach to the study of the effect of gravity on axis formation in birds [ISBN 0-08-042485-6] p 8 A95-60663
The avian embryo responding to microgravity of space flight p 43 N95-15104
Development of the chick's auditory ossicle, the columella p 44 N95-15115
Neuronal types in the chicken's statoacoustic ganglion p 44 N95-15116
Structure of avian tectorial, otolithic and cupular membranes p 44 N95-15117

CHILDREN
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834

CHIRAL DYNAMICS
Did the very first self-replicating chemical systems need homochirality? — Abstract only p 129 A95-63866
Origin of amino acids in the early solar system p 214 A95-66764
Chemical studies on the possible existence of life on Mars p 216 A95-66774
Enantioselective autocatalysis. 2: Racemization studies on a 1, 4-benzodiazepinooxazole derivative [HTN-95-01239] p 428 A95-91471

CHIRALITY
Revival of the concept of cold prehistory of life --- Abstract only p 128 A95-63865
Amino acid stereochemistry in cosmogeochemical samples and the origin of amino acid chirality on Earth --- Abstract only p 129 A95-63867
Chirality, cosmochemistry and life --- Abstract only p 129 A95-63868
Electroweak enantioselection and the origin of life --- Abstract only p 130 A95-63870
Can biological homochirality result from a phase transition? --- Abstract only p 130 A95-63871
On the possible paths of optical (photochemical) activation of living matter --- Abstract only p 130 A95-63872
Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis --- Abstract only p 131 A95-63877
On the experimental investigation of the origin of biopolymer chirality
[HTN-95-41640] p 319 A95-78735
Chirality and life p 422 A95-88738
Electroweak enantioselection and the origin of life p 422 A95-88739
Effect of a chiral impulse on the weak interaction induced handedness in a prebiotic medium p 422 A95-88740
Can biological homochirality result from a phase transition? p 422 A95-88741
The origin of chirality in protein amino acids
[DE94-628491] p 308 N95-23058

CHLORELLA
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
Biological determinants of photobioreactor design
[DE94-016032] p 306 N95-22872

CHLORIDES
A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970

CHLORINE
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884

CHLOROPHYLLS
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326
Seedling growth and development on space shuttle p 475 A95-93760
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526
Energy transfer in real and artificial photosynthetic systems
[DE95-005824] p 382 N95-27948

CHLOROPLASTS
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526

CHLORPROMAZINE
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925

CHOLESTEROL
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth
[AD-A288345] p 379 N95-26573

CHOLINE
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
Contribution of pulmonary versus systemic perfusion of airway smooth muscle
[HTN-95-91877] p 334 A95-81979
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
Coupling of brain muscarinic receptors to second messengers
[AD-A290498] p 450 N95-29153

CHOLINERGICS
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982

CHOLINESTERASE
Development of an in vitro model assay system for the evaluation of the effects of toxic chemicals on human airways
[AD-A285074] p 148 N95-16491

CHROMIUM
Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238

CHROMOPHORES
Comparison of the rate constants for energy transfer in the light-harvesting protein, C-phycocyanin, calculated from Foerster's theory and experimentally measured by time-resolved fluorescence spectroscopy
[DE94-014961] p 306 N95-22590
Analysis of structural domains required for phytochrome function by in vitro mutagenesis
[DE94-016230] p 307 N95-22884

CHROMOSOMES
Development and chromosome mechanics in nematodes: Results from IML-1
[ISBN 0-08-042485-6] p 6 A95-60657
Dynamic mutations
[HTN-95-00506] p 375 A95-83386
Capillary electrophoresis: Biotechnology for separation of DNA and chromosomes p 144 N95-19014
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
Automated integration of genomic physical mapping data via parallel simulated annealing
[DE95-008057] p 382 N95-27725
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730

CHRONIC CONDITIONS
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318

CIRCADIAN RHYTHMS
Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice
[HTN-95-50871] p 238 A95-73061
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
Circadian rhythms in the sensitivity to radiation and different drugs in mouse intestinal epithelium p 419 A95-88600
Use of a speadsheet program for circadian analysis of biological/physiological data
[HTN-95-01219] p 426 A95-91451
Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854
The Physiologist, volume 36, number 1, supplement p 85 N95-15089
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
Cell culture and transplantation of the suprachiasmatic circadian pacemaker
[AD-A280977] p 148 N95-16481
Neurophysiological analysis of circadian rhythm entrainment
[AD-A280981] p 148 N95-16484
Control of circadian behavior by transplanted suprachiasmatic nuclei
[AD-A285233] p 142 N95-16599
Alertness management in two-person long-haul flight operations p 170 N95-16760
Phase-shifting effects of light and activity on the human circadian clock
[AD-A281204] p 156 N95-16796
Photoreceptors regulating circadian behavior: A mouse model
[AD-A285157] p 157 N95-16847
Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342
Cellular analysis of circadian rhythmicity in cultured SCN neurons
[AD-A284167] p 159 N95-18512
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination
[AD-A284023] p 160 N95-18656
Cellular interactions in the suprachiasmatic nucleus
[AD-A285639] p 311 N95-23780
The 1993 Gordon Research Conference on Chronobiology
[NASA-CR-197990] p 310 N95-24047
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A288433] p 385 N95-26779
Crew adaptation evaluation of the Norwegian Crew Concept (NOROREW)
[AD-A288478] p 401 N95-27058
Organization of the human circadian system
[AD-A288223] p 449 N95-28915
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
AASERT-92 augmentation of research training in chronobiology: Regulation of the mammalian circadian clock by neurotransmitters
[AD-A288243] p 487 N95-31144

CIRCUITS
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination
[AD-A284023] p 160 N95-18656
Characterization and redesign of the AFIT multielectrode array
[AD-A289295] p 386 N95-27039

CIRCULATION
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611

CIRCULATORY SYSTEM
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans p 88 N95-15120

CITIES
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287

CITRIC ACID
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299

CIVIL AVIATION
Comparison of airline passenger oxygen systems
[HTN-95-01217] p 444 A95-91449
Human engineering analysis for the high speed civil transport flight deck p 517 A95-95040
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
HOTT - a CRM course designed for the helicopter pilot p 499 A95-95108
Captain upgrade CRM training: A new focus for enhanced flight operations p 501 A95-95122
Recognizing subtle physiological cues: Training to prevent pilot incapacitation p 489 A95-95138
Windshear education in the aviation industry - an overview p 503 A95-95144
Teaching aviation safety: A new methodology p 504 A95-95150
The development of subjective measure of work underload p 506 A95-95170

Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782
Certification for civil flight decks and the human-computer interface p 544 N95-34784

CLASSIFICATIONS
Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world — Abstract only p 120 A95-63830
Amino-acyl-t-RNA synthetases and the evolution of the genetic code — Abstract only p 121 A95-63831
The Biological System of the Elements (BSE) for terrestrial plants (glycophytes)
[GTN-95-00489697-4147] p 429 A95-92252
World Reference Center for Arboviruses
[AD-A281635] p 91 N95-15445
Creation of new items and forms for the Project A Assembling Objects test
[AD-A285522] p 174 N95-18095
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041

CLATHRATES
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124

CLAYS
Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview — Abstract only p 111 A95-63783
Oxidation of aniline on the metal ferrocyanides — Abstract only p 112 A95-63787
Site of adsorption of nucleic bases and their derivatives on clay surfaces — Abstract only p 112 A95-63789
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257

CLEAN ROOMS
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620

CLEARING
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828

CLIMATE
CELSS: Possible contributions to earth science program and others p 514 A95-93775

CLIMATE CHANGE
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775

CLINICAL MEDICINE
A multimodal method for assessing and treating airsickness
[HTN-95-90719] p 209 A95-69746
Fiber-optic luminescence probes for biomedical studies
[HTN-95-61166] p 399 A95-86265
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268
Overview of current medical laser applications: Triumphs and failures p 434 A95-87825
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828
Using laser spectroscopy to diagnose disease p 434 A95-87829
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
The Clinical Basis for Aeromedical Decision Making
[AGARD-CP-553] p 161 N95-19413
Aeromedical risk management for aircrew p 161 N95-19414
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433
Sarcoidosis in US military aviators p 166 N95-19438
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609

CLOCKS
AASERT-92 augmentation of research training in chronobiology: Regulation of the mammalian circadian clock by neurotransmitters
[AD-A288243] p 487 N95-31144

CLOSED CYCLES
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions p 481 A95-93805

CLOSED ECOLOGICAL SYSTEMS
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system p 396 A95-82508
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Critical issues for space life sciences p 436 A95-88559
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
Advanced life support system analysis: Methodological framework and application studies
[SAE PAPER 932129] p 463 A95-90370
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404
Using second law analysis to predict the efficiency of ECLSS subsystems
[SAE PAPER 932061] p 466 A95-91640
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system
[SAE PAPER 932062] p 466 A95-91641
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642
Environmental control and life support system selection for the first Lunar outpost habitat
[SAE PAPER 932065] p 467 A95-91643
Functions effectiveness model for design of integrated regenerative life support system
[SAE PAPER 932066] p 467 A95-91644
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
Performance of high-recovery recycling reverse osmosis with wash water
[SAE PAPER 932073] p 468 A95-91651
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932088] p 469 A95-91662
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
Preparations for CELSS flight experiments with wheat p 512 A95-93762
The astroculture flight experiment series, validating technologies for growing plants in space p 476 A95-93763
Peculiarities of moisture transfer in capillary-porous soil substitutes during space flight p 476 A95-93764
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity p 476 A95-93765
Plant-module for autonomous space-support (p-mass). p 476 A95-93766
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
Biological life support for manned missions by ESA p 513 A95-93768
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
C.E.B.A.S. mini module: Test results of an artificial (man-made) aquatic ecosystem p 477 A95-93771
Toluene removal from air by Dieffenbachia in a closed environment p 513 A95-93772
Lunar base CELSS design and analysis p 514 A95-93773
Approaches to resource recovery in controlled ecological life support systems p 514 A95-93774
CELSS: Possible contributions to earth science program and others p 514 A95-93775
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776
Recycling of trace elements required for humans in CELSS p 488 A95-93781
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
Novel sensor technology for monitoring and control of critical plant nutrient parameters p 478 A95-93786
Instrumentation for plant health and growth p 478 A95-93788
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
Carbon Dioxide interactions with irradiance and termperature in potatoes p 479 A95-93790
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
Neutral networks for control, identification and diagnosis p 514 A95-93797
Qualitative reasoning methods for CELSS modeling p 515 A95-93798
Object-oriented model-driven control p 515 A95-93799
ECOSIMP2 model: Prediction of CO2 concentration changes and carbon status in closed ecosystems p 480 A95-93800
Performance and reliability of the NASA biomass production chamber p 515 A95-93801
Methods for measurement and control of leakage in CELSS and their application and performance in the biosphere 2 facility p 515 A95-93802
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects p 481 A95-93804
Spectral quality may be used to alter plant disease development in CELSS p 482 A95-93811
Regenerative life support systems - why do we need them? p 516 A95-93812
Use of planetary soils within CELSS: The plant viewpoint p 482 A95-93813
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: Initial results from biosphere 2 p 516 A95-93814

Use of lunar regolith as a substrate for plant growth p 483 A95-93816
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
Integrated developmental model of life-support capabilities in wheat
[NASA-CR-196428] p 14 N95-11218
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
Growth of potatoes for CELSS
[NASA-CR-177646] p 37 N95-11949
Techniques for optimal crop selection in a controlled ecological life support system p 37 N95-11962
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
BioServe space technologies: A NASA Center for the Commercial Development of Space
[NASA-CR-196983] p 141 N95-16034
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688

CLOSTRIDIUM
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917

CLOSTRIDIUM BOTULINUM
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754

CLOTHING
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
Body dimensions for apparel
[PB94-187739] p 37 N95-11908
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577

CLOTTING
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851

CLOUD COVER
Diagnosing cloudiness from global numerical weather prediction model forecasts
[AD-A289456] p 392 N95-26992

CLOUDS (METEOROLOGY)
Titan's atmosphere composition: Certainties and speculations p 217 A95-66792
Raindrops on Titan p 218 A95-66795

CLUSTER ANALYSIS
Categorization and prioritization of flight deck information p 495 A95-95054

COAGULATION
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation p 434 A95-87826
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851

COASTAL WATER
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260

COATINGS
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767

COBALT COMPOUNDS
Copper complexes: Model for early enzymes --- Abstract only p 122 A95-63838

COCHLEA
Are otoconia dynamic in birds and mammals? p 43 N95-15103
Neuronal types in the chicken's statoacoustic ganglion p 44 N95-15116
Structure of avian tectorial, otolithic and cupular membranes p 44 N95-15117

COCKPIT SIMULATORS
Designing instructional simulations: Effects of instructional control and type of training task on developing display-interpretaion skills
[HTN-95-40882] p 259 A95-72259
Human performance in actuating switches during tracking
[HTN-95-A0503] p 259 A95-72574
Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575
Cockpit task management errors in a simulated flight operation p 509 A95-95196

COCKPITS
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
Aircrew acceptance of automation in the cockpit
[CONGRESS PAPER C428-30-179] p 512 A95-93614
Information presentation for expert systems in future aircraft cockpits p 516 A95-95038
A comparison of performance with visual and auditory displays in a simulated target localization task p 517 A95-95042
Encoding altitude and rate information in cockpit displays of traffic information: Color my world p 518 A95-95051
Task specific effects of automation and automation failure on performance, workload, and situation awareness p 519 A95-95060
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
A taxonomy of decision problems on the flight deck p 495 A95-95068
Efficient decision strategies on the flight deck p 495 A95-95070
Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
Commercial flight crew selection for automated flight decks p 521 A95-95099
Leadership-behavior in high-tech-cockpits (A 320) p 500 A95-95116
The impact of automation on crew communication and performance p 501 A95-95125
Automation design and crew coordination p 522 A95-95126
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
Management of human failure in the cockpit by means of a human system failure checklist p 523 A95-95199
Data link air traffic control and flight deck environments: Experiment in flight crew performance p 510 A95-95202
The effects of boredom on reaction time in the cockpit p 510 A95-95209
Objective evaluation of situation awareness for dynamic decision makers in teleoperations p 100 N95-14047
Human performance in the modern cockpit p 171 N95-16764
Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
Task-dependent effects of automation: The role of internal models in performance, workload, and situational awareness in a semi-automated cockpit
[AD-A292538] p 470 N95-28969
Certification for civil flight decks and the human-computer interface p 544 N95-34784
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786

CODERS
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866

CODING
Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376

COEFFICIENTS
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727

COGNITION
Behaviorism, cognitivism and the neuropsychology of memory
[HTN-95-42102] p 388 A95-83868
Influence of warning label signal words on perceived hazard level
[HTN-95-B0069] p 390 A95-85885
Undetected neuropsychophysiological sequelae of khat chewing in standard aviation medical examination
[HTN-95-01210] p 444 A95-91442
Categorization and prioritization of flight deck information p 495 A95-95054
Cognitive representations of flight-deck information attributes p 495 A95-95055
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
Determining the decision requirements of complex flight crew tasks p 495 A95-95069
Efficient decision strategies on the flight deck p 495 A95-95070
Expertise in aeronautical decision making: A cognitive skill analysis p 496 A95-95073
Error in time management during fighting mission p 496 A95-95074
Confusion on the flight deck p 496 A95-95077
The development of cognitive tasks for the selection of air traffic control personnel p 499 A95-95105
Cognitive/self-regulatory aptitudes and instructional methods for complex skill learning
[AD-A280937] p 20 N95-10536
Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory
[AD-A282122] p 17 N95-11337
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
Studies of novel popout
[AD-A285237] p 169 N95-16244
The GOMS family of analysis techniques: Tools for design and evaluation
[AD-A285211] p 170 N95-16518
Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766
A framework for the analysis of cognitive tasks
[AD-A285345] p 172 N95-16835
Multiple-task performance: A critical review of the literature and a cognitive neuroscience framework
[AD-A285133] p 212 N95-19583
A database for analyzing sequential behavioral data and their associated cognitive models
[AD-A280061] p 260 N95-19887
Cognitive diagnosis combined with latent trait theory and multiphase responses
[AD-A288701] p 355 N95-26010
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692
Myers-Briggs type indicators and Kirton adaption-innovation inventory correlations
[AD-A288435] p 393 N95-27181
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
Georgetown Institute for Cognitive and Computational Sciences
[AD-A289775] p 457 N95-29458
Using computerized neuropsychological testing to assess aviator skills
[AD-A293227] p 511 N95-30905
A cognitive architecture for solving ill-defined problems
[AD-A293582] p 512 N95-31686
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776

COGNITIVE PSYCHOLOGY
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745

A multimodal method for assessing and treating airsickness
[HTN-95-90719] p 209 A95-69746
Behaviorism, cognitivism and the neuropsychology of memory
[HTN-95-42102] p 388 A95-83868
Augmentation of research on cognitive control
[AD-A280956] p 93 N95-14600
Presentations of shape in object recognition and long-term visual memory
[AD-A281336] p 168 N95-16010
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953
Comparing performance on implicit memory tests
[AD-A284861] p 212 N95-19740
MAC/FAC: A model of similarity-based retrieval
[AD-A286291] p 263 N95-22052
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
Test theory reconceived
[AD-A291836] p 456 N95-29432
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance
[AD-A293798] p 512 N95-31585
A cognitive architecture for solving ill-defined problems
[AD-A293582] p 512 N95-31686
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609

COHERENCE
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins — Abstract only p 125 A95-63852

COLD ACCLIMATIZATION
Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903
Thyroid hormone changes in a cold air environment after local cold acclimation
[HTN-95-70072] p 75 A95-62514
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310

COLD TOLERANCE
Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903
Thyroid hormone changes in a cold air environment after local cold acclimation
[HTN-95-70072] p 75 A95-62514
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534
Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice
[HTN-95-50871] p 238 A95-73061
Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912
Thermal resistance of the cheek in cold air
[AD-A286257] p 256 N95-22001

COLD WATER
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310

COLD WEATHER
Lightweight cold weather underwear investigation
[AD-A288506] p 400 N95-26736
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757

COLD WEATHER TESTS
Thermal resistance of the cheek in cold air
[AD-A286257] p 256 N95-22001

COLLAGENS
Effect of microgravity on collagenase deprotoeinization and EDTA decalcification of bone fragments
[HTN-95-80712] p 250 A95-73284
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
Numerical models of photothermal tissue welding processes p 433 A95-87818
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

COLLECTION
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828

COLLIMATORS
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880

COLLISION AVOIDANCE
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503

COLLOIDS
Analysis of electron microscope images: 3-D localization of immuno-markers
[PB94-197977] p 41 N95-13990

COLOR
Color and physiological arousal p 21 N95-11621
Subset-selectivity and distractor matching in visual conjunction search
[AD-A285137] p 170 N95-16615
Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817
Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864

COLOR CODING
Encoding altitude and rate information in cockpit displays of traffic information: Color my world p 518 A95-95051

COLOR VISION
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Visual neural development and chromatic aberration
[AD-A285064] p 169 N95-16368
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441
Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864
Factors in human-computer interface design (a pilot study)
[AD-A288908] p 402 N95-27195
Practical color vision tests for air traffic control applicants: En route center and terminal facilities
[DOT/FAA/AM-95/13] p 393 N95-27323

COLUMNS (PROCESS ENGINEERING)
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4198] p 430 A95-92259

COMBAT
Effects of pilot background and experience on air combat maneuvering (ACM) performance p 498 A95-95101
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324

COMBINED STRESS
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403

COMBUSTION PRODUCTS
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354

COMET HEADS
Cometary coma chemical composition (C4) mission — Abstract only p 110 A95-63773
Mass-spectrometric in situ studies of cometary organics for p/Halley and options for the future p 190 A95-66758
Possible evidence of hydrocarbons released by the nucleus of Halley's comet p 190 A95-66759
Carbonaceous matter in cometary dust and coma p 218 A95-66803

COMET NUCLEI
Cometary coma chemical composition (C4) mission — Abstract only p 110 A95-63773
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208

COMET RENDEZVOUS ASTEROID FLYBY MISSION
Cometary coma chemical composition (C4) mission — Abstract only p 110 A95-63773
Mass-spectrometric in situ studies of cometary organics for p/Halley and options for the future p 190 A95-66758

COMETARY ATMOSPHERES
Cometary coma chemical composition (C4) mission — Abstract only p 110 A95-63773
Probing the structure of cometary ice p 419 A95-88727
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206

COMETARY MAGNETOSPHERES
Prebiotic molecules in comets — Abstract only p 183 A95-63756

COMETS
The cosmic origin of prebiotic molecules — Abstract only p 106 A95-63749
The organic and mineral inventory of comets and the possible role in early biological activities: A summary of the mass spectrometric studies of comet p/Halley — Abstract only p 182 A95-63750
Polymers and other macromolecules in comets – A possible relationship to the origins of life — Abstract only p 182 A95-63751
The origin and early evolution of the atmospheres of the inner planets — Abstract only p 182 A95-63752
Computer simulation of astrophysical ices — Abstract only p 108 A95-63766
Elemental and isotopic composition of cometary grains: Implications for abiotic synthesis — Abstract only p 108 A95-63767
Exobiology opportunities from Discovery-class missions — Abstract only p 184 A95-63890
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Cometary origin of the biosphere: A progress report p 189 A95-66757
Comets and life in the Universe p 190 A95-66761
Exobiology research on Space Station Freedom p 215 A95-66768
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802
Probing the structure of cometary ice p 419 A95-88727

COMFORT
Interior design for international teams serving long term in an extreme environment: A problem statement p 24 N95-11609
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Helicopter crewseat cushion program
[AD-A286654] p 265 N95-20973
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
Ergonomic evaluation of the Apple Adjustable Keyboard
[DE95-002393] p 266 N95-21637

COMMAND AND CONTROL
Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059

COMMAND GUIDANCE
Naval Biodynamics Laboratory 1993 command history
[AD-A284358] p 175 N95-18440
Formalizing procedures for operations automation, operator training and spacecraft autonomy p 315 N95-23720

COMMERCIAL AIRCRAFT
Comparison of airline passenger oxygen systems
[HTN-95-01217] p 444 A95-91449
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
Categorization and prioritization of flight deck information p 495 A95-95054
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
Commercial flight crew selection for automated flight decks p 521 A95-95099
Analysis of communication in the standard versus automated aircraft p 501 A95-95127
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
SPE(R)-OBOGS: On-board oxygen generating sustem p 472 N95-30267
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

COMMITTEE ON SPACE RESEARCH
Prebiotic chemistry in space; Proceedings of Symposia B1.4 and F3.3 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042622-0] p 472 A95-89205

COMMUNICATING
The impact of automation on crew communication and performance p 501 A95-95125
The development of aircrew coordination behaviors p 505 A95-95156

COMMUNICATION
The effects of Crew Resource Management (CRM) training in airline maintenance: Results following three year's experience
[NASA-CR-196696] p 394 N95-28676

COMMUNITIES
Nonequilibrium determinants of biological community structure
[HTN-95-11904] p 378 A95-85985

COMPARISON
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376

COMPENSATORY TRACKING
Operator versus computer control of adaptive automation p 519 A95-95059
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934

COMPETITION
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529

COMPLEMENT (BIOLOGY)
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965

COMPLEX COMPOUNDS
Self-assembly of a double-helical complex of sodium
[BTN-94-EIX94401310330] p 305 A95-76505

COMPLEX SYSTEMS
Minimizing human-machine interface failures in high risk systems
[BTN-95-EIX95042474623] p 213 A95-68277
Situational awareness in complex systems
[AD-A281448] p 168 N95-15959
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
On the use of the systems approach to certify advanced aviation technologies p 540 N95-34765
A psychologist's view of validating aviation systems p 540 N95-34767
Certification of tactics and strategies in aviation p 541 N95-34768
Human factors certification: A useful concept? p 541 N95-34769
Certify for success: A methodology for human-centered certification of advanced aviation systems p 541 N95-34773
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776
Practical guidelines for workload assessment p 542 N95-34777
Towards a framework of human factors certification of complex human-machine systems p 542 N95-34779
Evaluation in context: ATC automation in the field p 543 N95-34781
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782
Improving air traffic control: Proving new tools or approving the joint human-machine system? p 543 N95-34783
Certification for civil flight decks and the human-computer interface p 544 N95-34784

COMPLEXITY
Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743
DNA solution of hard computational problems
[BTN-95-EIX95292725315] p 475 A95-92688

COMPONENT RELIABILITY
Performance and reliability of the NASA biomass production chamber p 515 A95-93801

COMPOSITE STRUCTURES
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766

COMPOSITION
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930

COMPRESSED GAS
Inflatable rescue device
[NASA-CASE-MSC-22244-1] p 357 N95-25306

COMPRESSIBILITY
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774

COMPRESSION LOADS
Finite element analysis of a composite wheelchair wheel design
[NASA-TM-108463] p 22 N95-11195

COMPUTATION
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086

COMPUTATIONAL CHEMISTRY
Supercomputing studies of biomembranes
[HTN-95-92294] p 376 A95-85338
Molecular dynamics at a constant pH
[HTN-95-92296] p 376 A95-85340

COMPUTATIONAL FLUID DYNAMICS
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air p 31 N95-11806

COMPUTATIONAL GRIDS
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, steropsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Occupant reach and mobility apparatus
[AD-D016253] p 267 N95-22099
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371

COMPUTER AIDED DESIGN
European EVA space suit: Full scale evaluations and analysis for the lower torso conceptual design
[SAE PAPER 932099] p 460 A95-90343
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
Aircraft to medicine
[NASA-TM-109245] p 16 N95-10551
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
Fuzzy clustering of facial form for prototyping environmental protection equipment
[DE94-014657] p 267 N95-22466
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688

COMPUTER AIDED MAPPING
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065

COMPUTER AIDED TOMOGRAPHY
Heart-lung interactions determined by electron beam X-ray CT in laterally recumbent rabbits
[HTN-95-91879] p 334 A95-81981
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020

COMPUTER ANIMATION
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, steropsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
Lockheed Stabilizer System for space exercise equipment
[NASA-CR-197657] p 471 N95-29180
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475

COMPUTER ASSISTED INSTRUCTION
Designing instructional simulations: Effects of instructional control and type of training task on developing display-interpretaion skills
[HTN-95-40882] p 259 A95-72259
Effectiveness of PC-based flight simulation
[HTN-95-40886] p 259 A95-72263
Designing computer-based instructional simulation: Instructional control and part-whole-task training p 505 A95-95160
Training visual pattern recognition: Using worked examples to aid schema acquisition
[AD-A281859] p 169 N95-16299
Computer-based psychomotor tests in optimal training track assignment of student naval aviators
[AD-A283720] p 175 N95-18414
The assessment of virtual reality for human anatomy instruction p 160 N95-18971
Assessment of the ACSE science learning environment and the impact of movies and simulations
[AD-A284071] p 175 N95-19068
Intelligent tutoring systems: Past, present, and future
[AD-A280011] p 261 N95-19970
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376
Human-centered design of human-computer-human dialogs in aerospace systems
[NASA-CR-197379] p 313 N95-22797
POINTER: Portable Intelligent Trainer for External Robotics p 315 N95-23714
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475

COMPUTER COMPONENTS
Ergonomic evaluation of the Apple Adjustable Keyboard
[DE95-002393] p 266 N95-21637

COMPUTER GRAPHICS
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, steropsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Virtual reality at work p 98 N95-14033
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
Dark focus of accommodation as dependent and independent variables in visual display technology p 154 N95-16758
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
Assessment of the ACSE science learning environment and the impact of movies and simulations
[AD-A284071] p 175 N95-19068
Top ten list of user-hostile interface design
[DE95-001602] p 266 N95-21721
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935

COMPUTER NETWORKS
Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151

COMPUTER PROGRAMMING
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813

Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046
Factors in human-computer interface design (a pilot study)
[AD-A288908] p 402 N95-27195
Human-computer interaction (HCI) specialization track Masters of Software Engineering (MSE) program
[AD-A292895] p 525 N95-31401

COMPUTER PROGRAMS
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
A portable fetal heart monitor and its adaption to the detection of certain prenatal abnormalities
[NASA-CR-196430] p 16 N95-10024
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air
p 31 N95-11806
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs
[AD-A284928] p 169 N95-16140
Cognition and procedure representational requirements for predictive human performance models
p 172 N95-16766
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866
Knowledge-based guidance and control functions
[AGARD-AR-325] p 314 N95-23601
Application of compartmental metabolic models for determination of retention and excretion functions
[DE95-600249] p 352 N95-24367
Cognitive diagnosis combined with latent trait theory and multiphase responses
[AD-A288701] p 355 N95-26010
Diagnosing cloudiness from global numerical weather prediction model forecasts
[AD-A289456] p 392 N95-26992
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935

COMPUTER SYSTEMS DESIGN
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953
Design considerations for FrankTalk: A distributed group support system
[AD-A289386] p 401 N95-26863
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696
Human-computer interaction (HCI) specialization track Masters of Software Engineering (MSE) program
[AD-A292895] p 525 N95-31401

COMPUTER SYSTEMS PERFORMANCE
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696

COMPUTER SYSTEMS PROGRAMS
Design considerations for FrankTalk: A distributed group support system
[AD-A289386] p 401 N95-26863

COMPUTER SYSTEMS SIMULATION
Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151

COMPUTER TECHNIQUES
DNA solution of hard computational problems
[BTN-95-EIX95292725315] p 475 A95-92688
First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918
Medical and surgical evaluation and care of illness in space
[NASA-CR-196280] p 17 N95-10937
Scene analysis: A brief survey
[PB94-205085] p 36 N95-13433
Developing Guided Search 3.0. The next generation of a model visual search
[AD-A283956] p 93 N95-14369
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2
[DE94-014513] p 104 N95-15309
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
High performance computing for medical image interpretation
[AD-A285457] p 210 N95-19537
13th European Annual Conference on Human Decision Making and Manual Control
[PB95-132874] p 262 N95-21284
Parallel continuation-based global optimization for molecular conformation and protein folding
[DE95-005860] p 432 N95-30114
Using computerized neuropsychological testing to assess aviator skills
[AD-A293227] p 511 N95-30905

COMPUTER VISION
Principles of constructing an expert system for medical thermal vision
[HTN-95-61164] p 399 A95-86263
Occlusion-free monocular three-dimensional vision system
[BTN-95-EIX95292661227] p 443 A95-89826
Scene analysis: A brief survey
[PB94-205085] p 36 N95-13433
Vision, learning, and development
[TR-492-REV] p 95 N95-15787
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
Training visual pattern recognition: Using worked examples to aid schema acquisition
[AD-A281859] p 169 N95-16299
Qualitative vision and action
[AD-A282697] p 179 N95-16966
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086
Integration of segmentation and stereo matching
[PB95-107819] p 255 N95-21028
Learning Hand/Eye coordination by an active observer. part 1: Organizing centers
[AD-A289502] p 391 N95-26843
Using virtual active vision tools to improve autonomous driving tasks
[AD-A289175] p 392 N95-27013
Force and vision resolvability for assimilating disparate sensory feedback
[AD-A293581] p 512 N95-31685
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control
[AD-A293607] p 540 N95-34616

COMPUTERIZED SIMULATION
A novel computational method to simulate non-enzymatic self-replication — Abstract only
p 114 A95-63800
Template-directed reactions: Kinetic and mechanistic analysis — Abstract only p 115 A95-63803
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell — Abstract only
p 118 A95-63820
Kinetics of dimerization and oligomerization of the 5'-phosphorimidazolide of adenosine on Na(+)-montmorillonite — Abstract only
p 121 A95-63835
Structure and functions of simple membrane-water interfaces — Abstract only p 125 A95-63848
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
Effectiveness of PC-based flight simulation
[HTN-95-40886] p 259 A95-72263
Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315
An evolutionary game with biased dice
[HTN-95-41641] p 319 A95-78736
Supercomputing studies of biomembranes
[HTN-95-92294] p 376 A95-85338
Simulation fidelity of a virtual environment display
[HTN-95-B0112] p 398 A95-85928
Electrodialysis simulation to achieve optimum current density
[SAE PAPER 932074] p 468 A95-91652
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Designing computer-based instructional simulation: Instructional control and part-whole-task training
p 505 A95-95160
Attention in a multi-task environment
p 506 A95-95168
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270
Some criteria for teleoperators and virtual environments from experiences with vehicle/operator simulation
p 97 N95-14028
Varieties of virtualization p 98 N95-14036
A two dimensional artificial reality p 101 N95-14052
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
Destabilizing effects of visual environment motions simulating eye movements or head movements
p 103 N95-14061
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
Developing Guided Search 3.0. The next generation of a model visual search
[AD-A283956] p 93 N95-14369
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation
p 89 N95-15130
Simulation of arthroscopic surgery using MRI data
p 145 N95-15975
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation
p 176 N95-15984
Cognition and procedure representational requirements for predictive human performance models
p 172 N95-16766
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
Assessment of the ACSE science learning environment and the impact of movies and simulations
[AD-A284071] p 175 N95-19068
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program
[DE95-008097] p 387 N95-28136
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436
Automated volumetric grid generation for finite element modeling of human hand joints
[DE95-009575] p 494 N95-32097
Mathematical methods applied to biotechnical processes
[PB95-212114] p 530 N95-33232
The preservation of human surrogates for biomechanical studies p 537 N95-33312

The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610
COMPUTERS
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
Top ten list of user-hostile interface design
[DE95-001602] p 266 N95-21721
Factors in human-computer interface design (a pilot study)
[AD-A288908] p 402 N95-27195
CONCENTRATION (COMPOSITION)
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
CONCRETE STRUCTURES
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
CONDENSED MATTER PHYSICS
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546
CONDITIONING
Exercise training improves metabolic response after ischemia in isolated working rat heart
[HTN-95-10080] p 53 A95-61931
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
Contribution of arterial feed vessels to skeletal muscle functional hyperemia
[HTN-95-10099] p 58 A95-61950
Superresistance against hypoxia after preliminary adaptation to repeated stress
[HTN-95-70071] p 75 A95-62513
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise
[HTN-95-70077] p 76 A95-62519
CONDUCTING POLYMERS
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
CONDUCTORS
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426
CONFERENCES
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
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[ISBN 0-08-042488-0] p 475 A95-93759
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[HTN-95-52325] p 494 A95-95037
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
Abstracts from the International Conference on Nuclear Analytical Methods in the Life Sciences
[DE94-621923] p 27 N95-11728
Summary of the Sixteenth Annual Conference on Shock
[AD-A282643] p 32 N95-12542
Effects of Noise on Hearing 5th International Symposium
[AD-A281439] p 33 N95-13177
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
The Clinical Basis for Aeromedical Decision Making
[AGARD-CP-553] p 161 N95-19413
Proceedings of Natural Sciences Symposium
[AD-A285452] p 208 N95-19536
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971
13th European Annual Conference on Human Decision Making and Manual Control
[PB95-132874] p 262 N95-21284
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066
Cellular responses to environmental DNA damage
[DE94-015606] p 249 N95-22397
The development and applications of biomarkers
[DE94-014249] p 306 N95-22589
Open problems of computational molecular biology
[DE95-000895] p 306 N95-22866
The 1993 Gordon Research Conference on Chronobiology
[NASA-CR-197990] p 310 N95-24047
Third international congress of plant molecular biology: Molecular biology of plant growth and development
[DE95-006482] p 383 N95-28496
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546
Proceedings of the 33d SICE (the Society of Instrument and Control Engineers) Annual Conference, part 1
[DE95-758947] p 430 N95-28947
Proceedings of the 11th congress of the international society for artificial cells, blood substitutes and immobilization biotechnology
[AD-A290342] p 431 N95-29088
Genetics and the unity of biology
[DE95-006484] p 431 N95-29471
Conference perspective. Neuroimmunomodulation: Stress and immune function
[AD-A291351] p 492 N95-30870
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
CONFIDENCE
Information presentation for expert systems in future aircraft cockpits p 516 A95-95038
CONFINEMENT
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
Variables mediating the perception of crowding and confinement in extreme environments
p 21 N95-11620
CONFINING
The great lunar quarantine --- Apollo Project's post-mission quarantine
[HTN-95-A0582] p 384 A95-83162
CONFUSION
Confusion on the flight deck p 496 A95-95077
CONGENITAL ANOMALIES
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515
CONGESTION
Tracheal mucosal edema in hydrostatic pulmonary edema
[HTN-95-A0619] p 277 A95-74320
CONJUNCTIVA
Subset-selectivity and distractor matching in visual conjunction search
[AD-A285137] p 170 N95-16615
CONNECTIVE TISSUE
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
CONSCIOUSNESS
Manipulating the arterial pressure to prevent G-LOC
p 88 N95-15123
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz
p 89 N95-15126
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
CONSTRAINTS
M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627
CONSTRICTIONS
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
CONSTRICTORS
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
CONSUMABLES (SPACECRAFT)
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
CONSUMABLES (SPACECREW SUPPLIES)
The effects of freezing on selected European and Asian foods prepared for International Space Missions
p 396 A95-82610
Regenerative life support systems - why do we need them? p 516 A95-93812
CONSUMPTION
Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336
CONTAINMENT
Planetary protection considerations for MarsNet and Mars sample return missions p 217 A95-66789
CONTAMINANTS
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998
CONTAMINATION
The experimental study of microbial contamination of the space hardware p 217 A95-66788
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320
CONTINUITY
Crew adaptation evaluation of the Norwegian Crew Concept (NOROREW)
[AD-A288478] p 401 N95-27058
CONTINUUM MODELING
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529
CONTRACT MANAGEMENT
Annual program analysis of the NASA Space Life Sciences Research and Education Support Program
[NASA-CR-197298] p 247 N95-21529
CONTRACTION
Changes of contractile responses due to simulated weightlessness in rat soleus muscle
[ISBN 0-08-042485-6] p 11 A95-60677
Microgravity effects on 'postural' muscle activity patterns
[ISBN 0-08-042485-6] p 15 A95-60678
Impaired plasma FFA oxidation improved by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
Maximum rate of force development is increased by antagonist conditioning contraction
[HTN-95-A0134] p 203 A95-68917
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482

Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats
[HTN-95-50857] p 235 A95-73047
Changes in potassium contractures due to simulated weightlessness in rat soleus muscle
[HTN-95-50866] p 237 A95-73056
Effects of N-acetylcysteine on in vitro diaphragm function are temperature dependent
[HTN-95-50874] p 239 A95-73064
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
N-acetylcysteine depresses contractile function and inhibits fatigue of diaphragm in vitro
[HTN-95-A0616] p 276 A95-74317
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336
Voluntary exercise decreases progression of muscular dystrophy in diaphragm of mdx mice
[HTN-95-A0647] p 284 A95-74348
Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise
[HTN-95-A0648] p 284 A95-74349
Effects of lung volume and surface forces on maximal airway smooth muscle shortening
[HTN-95-A0650] p 285 A95-74351
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
Fatigue of rapid and slow onset in isolated perfused rat and mouse diaphragms
[HTN-95-A0674] p 290 A95-74375
Ergometric studies of untrained skeletal muscle demonstrate feasibility of muscle-powered cardiac assistance
[HTN-95-A0681] p 291 A95-74382
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744

CONTRAST
The effects of target vibration on contrast sensitivity p 497 A95-95081
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140

CONTROL
Designing computer-based instructional simulation: Instructional control and part-whole-task training p 505 A95-95160
The effect of taskload projection on automation use, performance, and workload p 523 A95-95181

CONTROL BOARDS
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Human performance in actuating switches during tracking
[HTN-95-A0503] p 259 A95-72574
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099

CONTROL EQUIPMENT
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397

CONTROL SIMULATION
Effects of aging, skill modification, and demand alternation on multiple-task performance
[HTN-95-B0110] p 378 A95-85926
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402

CONTROL STABILITY
Model reference adaptive control for robotic manipulators without velocity measurements
[HTN-95-21046] p 465 A95-90423
Analysis of the human operator subsystems p 97 N95-14019
On the role of exchange of power and information signals in control and stability of the human-robot interaction p 101 N95-14051
Lockheed Stabilizer System for space exercise equipment
[NASA-CR-197657] p 471 N95-29180

CONTROL STICKS
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099

CONTROL SYSTEMS DESIGN
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
Determination of the mass properties of a manipulator p 356 A95-80399
A sliding mode control for two-link flexible manipulator p 394 A95-82463
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
Investigation of lunar base thermal control system options
[SAE PAPER 932112] p 462 A95-90353
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354
Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
Model reference adaptive control for robotic manipulators without velocity measurements
[HTN-95-21046] p 465 A95-90423
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators
[HTN-95-21049] p 465 A95-90426
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
Qualitative vision and action
[AD-A282697] p 179 N95-16966
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468
Force based motion control of a walking machine
[PB95-129672] p 264 N95-20276
Knowledge-based guidance and control functions
[AGARD-AR-325] p 314 N95-23601
Development of Advanced Robotic Hand System for space application p 314 N95-23704
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707
Development of Japanese experiment module remote manipulator system p 315 N95-23708
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
Lockheed Stabilizer System for space exercise equipment
[NASA-CR-197657] p 471 N95-29180
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139
Human piloting factors in the design of control laws for precision landing p 537 N95-33605

CONTROL THEORY
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301
Interaction and intelligent behavior
[AD-A290049] p 457 N95-29443

CONTROLLABILITY
Human piloting factors in the design of control laws for precision landing p 537 N95-33605

CONTROLLED ATMOSPHERES
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system
[SAE PAPER 932062] p 466 A95-91641
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
Methods for measurement and control of leakage in CELSS and their application and performance in the biosphere 2 facility p 515 A95-93802
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132

CONTROLLERS
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
Determination of the mass properties of a manipulator p 356 A95-80399
A sliding mode control for two-link flexible manipulator p 394 A95-82463
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707
Ride motion simulator (RMS) testing using human occupants
[AD-A292641] p 471 N95-29378
Is there a role for a test controller in the development of new ATC equipment? p 542 N95-34778
CONVECTIVE FLOW
One-dimensional simulation of aerosol transport and deposition in the human lung
[HTN-95-70494] p 228 A95-71516
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
CONVECTIVE HEAT TRANSFER
Fluid flow and heat transfer in the crescent-shaped lumen catheter
[BTN-94-EIX94361122408] p 209 A95-65904
Relationship between dot-Cr and breathing pattern in mechanically ventilated patients
[HTN-95-70490] p 227 A95-71512
CONVERGENCE
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889
COOLERS
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
COOLING
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370
Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
COOLING SYSTEMS
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354
Head cooling in hyperthermia
[HTN-95-93129] p 491 A95-95630
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
NASA advanced refrigerator/freezer technology development project overview
[NASA-TM-106309] p 309 N95-23177
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370
COOPERATION
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins --- Abstract only p 125 A95-63852
Distributed problem solving by pilots and dispatchers p 495 A95-95065
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
COORDINATION
Leadership-behavior in high-tech-cockpits (A 320) p 500 A95-95116
Validating the impact of maintenance CRM training p 500 A95-95118
Automation design and crew coordination p 522 A95-95126
The development of aircrew coordination behaviors p 505 A95-95156
Intersensory coordination p 97 N95-14020
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination
[AD-A284023] p 160 N95-18656
COPPER
Copper metabolism in rats fed ascorbic acid or restricted amounts of copper
[PB94-191343] p 28 N95-11902
COPPER COMPOUNDS
Copper complexes: Model for early enzymes --- Abstract only p 122 A95-63838
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054
CORE-MANTLE BOUNDARY
Isotope fractionations in the terrestrial carbon cycle: A brief overview p 195 A95-66807
CORIOLIS EFFECT
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745
Dynamics of the G-excess illusion p 155 N95-16771
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714
CORN
Physiological, biochemical and molecular processes associated with gravitropism in roots of maize
[ISBN 0-08-042485-6] p 10 A95-60671
Immunolocalization of an annexin-like protein in corn
[ISBN 0-08-042485-6] p 10 A95-60672
CORNEA
Experimental investigation of picosecond optical breakdown in water and biological tissues p 433 A95-87820
Excimer laser photorefractive keratectomy (PRK) for myopia - present status: Aerospace considerations
[HTN-95-12214] p 429 A95-91914
CORONARY ARTERY DISEASE
Aviation epidemiology data register: Coronary angiography outcomes of civilian aviators flying US aircraft
[AD-A285191] p 147 N95-16405
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161
CORONARY CIRCULATION
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
CORRELATION
Are periodicities in crater formations and mass extinctions related?
[HTN-95-50109] p 105 A95-63321
CORRELATION COEFFICIENTS
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
CORTICOSTEROIDS
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00428] p 326 A95-81945
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
CORTISONE
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977
COSMIC DUST
The cosmic origin of prebiotic molecules --- Abstract only p 106 A95-63749
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions --- Abstract only p 109 A95-63768
Cyanide polymers in the solar system: Miller-Urey revisited --- Abstract only p 109 A95-63769
Characterization of hydrogen cyanide polymers and the Murchison meteorite: Implications for prebiotic and extraterrestrial chemistry --- Abstract only p 109 A95-63770
The use of the ninhydrin reaction for the elimination of protein amino acids in cosmogeochemical samples --- Abstract only p 109 A95-63771
CoMA a high resolution TOF-SIMS for in-situ analysis of cometary matter --- Abstract only p 109 A95-63772
Chirality, cosmochemistry and life --- Abstract only p 129 A95-63868
Inhibition of amino acid metabolic enzymes by alpha-aminoisobutyric acid --- Abstract only p 131 A95-63876
Thermodynamics of Strecker synthesis in hydrothermal systems --- Abstract only p 134 A95-63888
Exobiology experiments for Earth-orbital platforms --- Abstract only p 185 A95-63891
Biological samples in comet simulation experiment (KOSI-11) --- Abstract only p 140 A95-63926
Circumstellar chemistry from microwave and mm-wave spectroscopy p 214 A95-66752
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
Organic molecules in the gas phase of dense interstellar clouds p 189 A95-66755
Mass-spectrometric in situ studies of cometary organics for p/Halley and options for the future p 190 A95-66758
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite p 190 A95-66762
Extinction of dinosaurs: A possible novel cause p 191 A95-66769
Carbonaceous matter in cometary dust and coma p 218 A95-66803

Cosmic dust analog simulation in a microgravity environment: The STARDUST program
p 195 A95-66805
Cosmic evolution of the biogenic elements and compounds
[HTN-95-41238] p 316 A95-75050
Chirality and life p 422 A95-88738
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
COSMIC RAYS
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions — Abstract only p 109 A95-63768
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins
p 442 A95-88599
Effect of a chiral impulse on the weak interaction induced handedness in a prebiotic medium p 422 A95-88740
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF
p 309 N95-23821
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730
COSMONAUTS
Overloads influence on cosmonaut's reaction rate
p 384 A95-82615
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
COSMOS SATELLITES
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
COST EFFECTIVENESS
First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918
COST REDUCTION
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost
[SAE PAPER 932100] p 460 A95-90344
COUNTERMEASURES
Artificial gravity as a countermeasure of physiological deconditioning in space
[ISBN 0-08-042485-6] p 15 A95-60683
Radiation protection for human interplanetary spaceflight and planetary surface operations
p 350 A95-81451
Critical issues for space life sciences
p 436 A95-88559
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
Countermeasure development to space adaptation
p 439 A95-88578
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation
p 89 N95-15130
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
COUPLING
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861
On the absolute meaning of the energy scale approximately kT in the thermal interference involved in enzyme-coupled reactions
[HTN-95-92207] p 375 A95-84063
CRASH INJURIES
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574
CRASH LANDING
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574
CRASHES
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
Is the pilot fit for flying after an accident?
p 164 N95-19425
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Releaseable unconstrained inflatable body protector
[AD-D017350] p 524 N95-30552
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378
CRASHWORTHINESS
Helicopter crewseat cushion program
[AD-A286654] p 265 N95-20973
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574
CRATERS
Are periodicities in crater formations and mass extinctions related?
[HTN-95-50109] p 105 A95-63321
CREATINE
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475
Running-induced muscle injury and myocellular enzyme release in rats
[HTN-95-50872] p 238 A95-73062
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384
CREATININE
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
CRETACEOUS-TERTIARY BOUNDARY
Extinction of dinosaurs: A possible novel cause
p 191 A95-66769
CREW PROCEDURES (INFLIGHT)
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
Aircrew acceptance of automation in the cockpit
[CONGRESS PAPER C428-30-179]
p 512 A95-93614
Leadership-behavior in high-tech-cockpits (A 320)
p 500 A95-95116
Position-specific behaviors and their impact on crew performance: Implications for training
p 501 A95-95121
Cockpit task management errors in critical in-flight incidents p 510 A95-95197
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
Formalizing procedures for operations automation, operator training and spacecraft autonomy
p 315 N95-23720
CREW WORKSTATIONS
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
Developing an international astronaut team
p 20 N95-11607
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
Living in space
[NASA-TM-110536] p 314 N95-23274
CREWS
Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467
Crew adaptation evaluation of the Norwegian Crew Concept (NOROREW)
[AD-A288478] p 401 N95-27058
User acceptability and comfort of the communications earplug (CEP) when used in the UH-1 helicopter
[AD-A294047] p 539 N95-34492
CRITICAL FREQUENCIES
Caffeine's influence on critical frequency thresholds
[AD-A282005] p 173 N95-17447
CRITICAL PATH METHOD
Set of reachable positions for a car
[BTN-95-EIX95332423428] p 516 A95-95019
CROP GROWTH
Progress in plant research in space
[ISBN 0-08-042485-6] p 5 A95-60652
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62822
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels
p 361 A95-82587
Cellular responses to endogenous electrochemical gradients in morphological development
p 408 A95-87489
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts
[SAE PAPER 932091] p 459 A95-90338
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
Seedling growth and development on space shuttle
p 475 A95-93760
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
Preparations for CELSS flight experiments with wheat
p 512 A95-93762
The astroculture flight experiment series, validating technologies for growing plants in space
p 476 A95-93763
Peculiarities of moisture transfer in capillary-porous soil substitutes during space flight p 476 A95-93764
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity
p 476 A95-93765
Systems approach to instrumenting and controlling plant growth systems p 477 A95-93782
Optical sensors for monitoring and control of plant growth systems p 478 A95-93787
Instrumentation for plant health and growth
p 478 A95-93788
Carbon Dioxide interactions with irradiance and termperature in potatoes p 479 A95-93790
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792
Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce
p 479 A95-93793

Effects of several environmental factors on sweetpotato growth p 480 A95-93794
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects p 481 A95-93804
Integrated developmental model of life-support capabilities in wheat [NASA-CR-196428] p 14 N95-11218
Growth of potatoes for CELSS [NASA-CR-177646] p 37 N95-11949
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean [NASA-CR-197098] p 141 N95-15961
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E [DE95-005687] p 347 N95-25383
Third international congress of plant molecular biology: Molecular biology of plant growth and development [DE95-006482] p 383 N95-28496

CROP VIGOR
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels p 361 A95-82587
Seedling growth and development on space shuttle p 475 A95-93760
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
Preparations for CELSS flight experiments with wheat p 512 A95-93762
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
Machine vision monitoring of plant health p 478 A95-93784
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179

CROSS CORRELATION
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination [AD-A284023] p 160 N95-18656

CROSSLINKING
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion [AD-A289558] p 385 N95-26680
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin [AD-A290439] p 487 N95-30452

CROWDING
Variables mediating the perception of crowding and confinement in extreme environments p 21 N95-11620

CRUDE OIL
Activities of the Division of Energy Biosciences [DE95-001046] p 208 N95-19613

CRYOCHEMISTRY
Prebiotic chemistry in space; Proceedings of Symposia B1.4 and F3.3 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994 [ISBN 0-08-042622-0] p 472 A95-89205
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature p 473 A95-89217
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219

CRYOGENIC EQUIPMENT
NASA advanced refrigerator/freezer technology development project overview [NASA-TM-106309] p 309 N95-23177

CRYOGENIC TEMPERATURE
The origin and early evolution of the atmospheres of the inner planets — Abstract only p 182 A95-63752
Development and application of low-temperature AFM [AD-A291704] p 383 N95-28525

CRYSTAL LATTICES
Short-lived dissipative nanostructures in solids: Did phase-ordered phonons contribute to biopolymer evolution? [HTN-95-41643] p 358 A95-78738

CRYSTAL STRUCTURE
Electrostatic basis for molecular recognition in photosynthesis [DE95-002979] p 249 N95-22075

CRYSTALLIZATION
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process [BTN-94-EIX94041340604] p 105 A95-63569
Crystallization of the EGF receptor ectodomain on US space mission STS-47 [HTN-95-80708] p 250 A95-73280
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions [BTN-95-EIX95122539066] p 320 A95-79141
Fusion proteins as alternate crystallization paths to difficult structure problems [NASA-TM-110497] p 346 N95-24531

CRYSTALS
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes [BTN-95-EIX95332424654] p 484 A95-94891
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers [BTN-95-EIX95332424644] p 485 A95-94900
Electrostatic basis for molecular recognition in photosynthesis [DE95-002979] p 249 N95-22075

CUBES (MATHEMATICS)
Simulation of arthroscopic surgery using MRI data p 145 N95-15975

CUES
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
Synthetic terrain imagery for Helmet-Mounted Display p 518 A95-95052
Natural scene templates as cueing devices p 520 A95-95082
Recognizing subtle physiological cues: Training to prevent pilot incapacitation p 489 A95-95138
Attention in a multi-task environment p 506 A95-95168
Role of somatosensory and vestibular cues in attenuating visually induced human postural sway [NASA-CR-197845] p 393 N95-27697

CUFFS
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity p 90 N95-15138

CULTIVATION
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795

CULTURE (SOCIAL SCIENCES)
Crosscultural perspectives in human factors training: Lessons from the ICAO Human Factors Program [HTN-95-A0506] p 260 A95-72577
Cross-cultural attitudes of flight crew regarding CRM p 501 A95-95123
Cross-cultural perspectives in Human Factors training: The lessons from the ICAO Human Factors programme p 502 A95-95131

CULTURE TECHNIQUES
Competition in the chemostat: Global asymptotic behavior of a model with delayed response in growth [BTN-94-EIX94341340323] p 27 A95-60859
Particle method for population waves [BTN-94-EIX94341340324] p 27 A95-60860
Competition for a single limiting resource in continuous culture: The variable-yield model [BTN-94-EIX94501431532] p 141 A95-64529
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system [SAE PAPER 932127] p 463 A95-90368
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels [NASA-CR-196780] p 31 N95-11808
Cell culture and transplantation of the suprachiasmatic circadian pacemaker [AD-A280977] p 148 N95-16481
Comparative Transduction Mechanisms of Vestibular Otolith Hair Cells [NASA-CR-197980] p 379 N95-26727
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity p 380 N95-26729

CUMULATIVE DAMAGE
Cumulative effects of repeated brief cerebral ischemia [AD-A284234] p 210 N95-19698

CURRENT DENSITY
Electrodialysis simulation to achieve optimum current density [SAE PAPER 932074] p 468 A95-91652
Cell membrane potentials induced during exposure to EMP fields [DE94-018952] p 248 N95-21548

CUSHIONS
Apache helicopter seat cushion evaluation [AD-A284300] p 179 N95-17484
Helicopter crewseat cushion program [AD-A286654] p 265 N95-20973

CYANIDES
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds — Abstract only p 110 A95-63776

CYANOACETYLENE
Ultraviolet photochemistry of cyanoacetylene: Application to Titan — Abstract only p 110 A95-63774
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016

CYANOCOBALAMIN
How nature builds the pigments of life: the conquest of vitamin B-12 [BTN-94-EIX94431375202] p 436 A95-88153

CYBERNETICS
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025

CYCLIC AMP
Specific effect of magnesium ion on AMP synthesis from adenosine and trimetaphosphate in aqueous solution — Abstract only p 107 A95-63758
Effect of leaving group on the oligomerization of 5'-AMP on montmorillonite — Abstract only p 121 A95-63834
Kinetics of dimerization and oligomerization of the 5'-phosphorimidazolide of adenosine on Na(+)-montmorillonite — Abstract only p 121 A95-63835
Purines: Their role in biopoiesis, biological evolution and oncogenesis — Abstract only p 133 A95-63884
Ca(2+) and lipolysis in adipocytes from exercise-trained rats [HTN-95-70462] p 221 A95-71484
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors [HTN-95-00432] p 327 A95-81949
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP [HTN-95-91904] p 340 A95-82006
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729

CYCLIC HYDROCARBONS
Possible evidence of hydrocarbons released by the nucleus of Halley's comet p 190 A95-66759

CYSTEINE
Can biological homochirality result from a phase transition? p 422 A95-88741

CYSTIC FIBROSIS
A method for measuring CL efflux from dispersed cells of airway epithelium [HTN-95-00453] p 333 A95-81970

CYTOCHROMES
Exercise O2 transport model assuming zero cytochrome PO2 at dot-VO2(sub max) [HTN-95-A0122] p 200 A95-68905
Electrostatic basis for molecular recognition in photosynthesis [DE95-002979] p 249 N95-22075

CYTOLOGY
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity p 432 A95-87488
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels [NASA-CR-196780] p 31 N95-11808
Analysis of electron microscope images: 3-D localization of immuno-markers [PB94-197977] p 41 N95-13990
Extracellular ionic composition alters kinetics of vesicular release of catecholamines and quantal size during exocytosis at adrenal medullary cells [AD-A281613] p 146 N95-16112

CYTOMETRY
Life Sciences Division and Center for Human Genome Studies [DE94-017796] p 248 N95-22065
Flow cytometry: A powerful technology for measuring biomarkers [DE94-018284] p 249 N95-22296

CYTOPLASM
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath) [HTN-94-00465] p 1 A95-60154
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields [DE94-015200] p 143 N95-18371

D

DAMAGE
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848
DAMAGE ASSESSMENT
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147
Toxicity assessment of liquid propellant XM46 p 387 N95-28319
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224
DARKNESS
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A288433] p 385 N95-26779
DATA ACQUISITION
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889
Biomedical imaging
[AD-A282221] p 32 N95-12405
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2
[DE94-014513] p 104 N95-15309
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667
DATA BASE MANAGEMENT SYSTEMS
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811
Overview of selected molecular biological databases
[DE95-005906] p 346 N95-25181
DATA BASES
An approach to modeling pilot memory and developing a taxonomy of memory errors p 496 A95-95075
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base p 509 A95-95195
Use of ASRS data in an airline Human Factors department p 523 A95-95205
ASRS and aviation psychology p 510 A95-95206
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
AMDRS: A resource for intelligent aeromedical decision-making p 162 N95-19419
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811
A database for analyzing sequential behavioral data and their associated cognitive models
[AD-A280061] p 260 N95-19887
Overview of selected molecular biological databases
[DE95-005906] p 346 N95-25181
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
DATA COMPRESSION
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473
DATA INTEGRATION
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053
DATA LINKS
Data link air traffic control and flight deck environments: Experiment in flight crew performance p 510 A95-95202
DATA MANAGEMENT
Computer human interface design in tower air traffic control for aircraft flight data management p 521 A95-95095
The Clinical Basis for Aeromedical Decision Making
[AGARD-CP-553] p 161 N95-19413
DATA PROCESSING
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
Standards relevant to a NATO anthropometry survey using 3D imaging tools
[AD-A283065] p 39 N95-13055
Analysis of electron microscope images: 3-D localization of immuno-markers
[PB94-197977] p 41 N95-13990
The synthesis of vision and action
[AD-A285453] p 174 N95-18094
Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151
A parallel processing hypothesis for short-term and long-term memory in Aplysia
[AD-A284101] p 174 N95-18401
Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935
DATA PROCESSING TERMINALS
Space constancy on video display terminals
[AD-A280015] p 261 N95-20314
DATA STORAGE
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
DATA STRUCTURES
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
DATA TRANSMISSION
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
DAYTIME
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
DEACTIVATION
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
DEATH
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
DECARBOXYLATION
Amino acid stability in hydrothermal vents --- Abstract only p 138 A95-63916
DECELERATION
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751
DECISION MAKING
Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743
Strategic workload management and decision biases in aviation
[HTN-95-40883] p 259 A95-72260
The early evolution of the domestic dog
[HTN-95-92321] p 376 A95-85365
Effects of graphic and verbal probability information on command decision making
[HTN-95-B0064] p 389 A95-85880
Failure to follow safety instructions: Faulty communication or risky decisions?
[HTN-95-B0116] p 378 A95-85932
Information presentation for expert systems in future aircraft cockpits p 516 A95-95038
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
Cockpit crises and decision making: Implications for pilot training p 495 A95-95067
A taxonomy of decision problems on the flight deck p 495 A95-95068
Determining the decision requirements of complex flight crew tasks p 495 A95-95069
Efficient decision strategies on the flight deck p 495 A95-95070
Taking risks and taking advice: The role of experience in airline pilot diversions p 496 A95-95071
Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
Expertise in aeronautical decision making: A cognitive skill analysis p 496 A95-95073
Objective evaluation of situation awareness for dynamic decision makers in teleoperations p 100 N95-14047
Situational awareness in complex systems
[AD-A281448] p 168 N95-15959
Crew decision making under stress p 171 N95-16765
Qualitative vision and action
[AD-A282697] p 179 N95-16966
Effective team performance under stress and normal conditions: An experimental paradigm, theory and data for studying team decision making in hierarchical teams with distributed expertise
[AD-A284683] p 175 N95-18530
The Clinical Basis for Aeromedical Decision Making
[AGARD-CP-553] p 161 N95-19413
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
AMDRS: A resource for intelligent aeromedical decision-making p 162 N95-19419
Relevance of laboratory tests in aeromedical decisions p 163 N95-19420
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
The NAMI syncope test battery and clinical decision-making in aviators with syncope p 164 N95-19428
Think health not disease p 164 N95-19429
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433
Learning effects on strategy selection in a dynamic task environment as a function of time pressure
[AD-A285458] p 212 N95-19538
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
Designing the architecture of hierachical neural networks model attention, learning and goal-oriented behavior
[AD-A279898] p 264 N95-20562
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure
[AD-A285389] p 262 N95-20609
13th European Annual Conference on Human Decision Making and Manual Control
[PB95-132874] p 262 N95-21284
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467
Analysis of group performance in visual signal detection
[AD-A289561] p 391 N95-26683
Myers-Briggs type indicators and Kirton adaption-innovation inventory correlations
[AD-A288435] p 393 N95-27181
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program
[DE95-008097] p 387 N95-28136
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Interaction and intelligent behavior
[AD-A290049] p 457 N95-29443
DECODING
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900
Signal- and listener- based factors in complex auditory pattern perception
[AD-A285636] p 262 N95-21101
DECOMPOSITION
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions --- Abstract only p 111 A95-63782
DECOMPRESSION SICKNESS
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965
A proposal to study gender differences in the rates of decompression sickness
[AD-A281854] p 147 N95-16297

The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515

DECONDITIONING
Ultrastructural and cellular mechanisms in myocardial deconditioning in weightlessness
[ISBN 1-55938-409-3] p 1 A95-60153
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity p 90 N95-15138
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779

DECONGESTANTS
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898

DECONTAMINATION
The experimental study of microbial contamination of the space hardware p 217 A95-66788
Control of microorganisms in flowing nutrient solutions p 481 A95-93807
Establishing and maintaining specific pathogen free (SPF) conditions in aqueous solutions using ozone p 482 A95-93810

DEFORMATION
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
Forward and inverse problems in elasticity imaging of soft tissues
[BTN-95-EIX95332424675] p 483 A95-94877

DEGRADATION
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390

DEGREES OF FREEDOM
Simple model for human arm reachable workspace
[BTN-94-EIX94522407598] p 535 A95-96246
A high performance two degree-of-freedom kinesthetic interface p 99 N95-14042
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058

DEHUMIDIFICATION
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663

DEHYDRATION
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10087] p 55 A95-61938
ERA-experiment 'space biochemistry' p 404 A95-83984
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757

DEIONIZATION
Electrodialysis simulation to achieve optimum current density
[SAE PAPER 932074] p 468 A95-91652

DELAY
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801

DELIVERY
Novel sensor technology for monitoring and control of critical plant nutrient parameters p 478 A95-93786

DEMOGRAPHY
Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794

DENSITOMETERS
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929

DENSITY (MASS/VOLUME)
Density and morphology of impact craters on tessera terrain, Venus
[HTN-95-20760] p 268 A95-71120
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854

DENSITY MEASUREMENT
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342

DENTISTRY
Compact holographic apparatus for stomatology
[HTN-95-61170] p 399 A95-86269
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275

DEOXYRIBONUCLEIC ACID
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? — Abstract only p 114 A95-63799
In vitro selection of optimal DNA substrates for ligation — Abstract only p 115 A95-63805
Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand — Abstract only p 118 A95-63816
Mechanisms for the polymerization of nucleotides by alpha-particle radiolysis in aqueous solution — Abstract only p 121 A95-63832
Cellular structures from amino acid thermolysates — Abstract only p 123 A95-63840
Electroweak enantioselection and the origin of life — Abstract only p 130 A95-63870
Purines: Their role in biopoiesis, biological evolution and oncogenesis — Abstract only p 133 A95-63884
The stability of DNA in extreme dryness — Abstract only p 135 A95-63894
Symbiogenesis and species origin — Abstract only p 136 A95-63907
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily — Abstract only p 139 A95-63918
Redox ribonucleosides: Isolation and characterization of 5-hydroxycytidine, 5-hydroxyuridine, 8-hydroxyguanosine and 8-hydroxyadenosine from Torula Yeast RNA — Abstract only p 139 A95-63922
Chemistry of potentially prebiological natural products
[HTN-95-10288] p 140 A95-64050
Biochemical constraints for survival under martian conditions p 192 A95-66778
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides
[HTN-95-A0476] p 230 A95-72547
Experimental investigation of an RNA sequence space
[HTN-95-A0484] p 231 A95-72555
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry
[HTN-95-21569] p 367 A95-83354
Dynamic mutations
[HTN-95-00506] p 375 A95-83386
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
DNA stability and survival of Bacillus subtilis spores in extreme dryness p 423 A95-88748
DNA solution of hard computational problems
[BTN-95-EIX95292725315] p 475 A95-92688
Microbial communities in subsurface environments: Diversity, origin, and evolution
[DE94-013699] p 27 N95-11737
Investigation of pressure regulation in an archaebacterial enzyme
[AD-A281413] p 142 N95-16164
Capillary electrophoresis: Biotechnology for separation of DNA and chromosomes p 144 N95-19014
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Cellular responses to environmental DNA damage
[DE94-015606] p 249 N95-22397
Development of novel separation techniques for biological samples in capillary electrophoresis
[DE95-001672] p 305 N95-22493
Open problems of computational molecular biology
[DE95-000895] p 306 N95-22866
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963
Molecular relics from chemical evolution and the origin of life
[DE94-628493] p 308 N95-23060
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
Toxin-mediated transfer and expression of genes in nerve cells
[AD-A290501] p 531 N95-33200

DEPENDENT VARIABLES
Dark focus of accommodation as dependent and independent variables in visual display technology p 154 N95-16758

DEPLETION
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884

DEPOSITION
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767

DEPTH
Apparent extended body motions in depth
[HTN-94-00400] p 18 A95-60122

DERIVATION
Testing of experimental antileishmanial compounds
[AD-A288807] p 348 N95-26193

DERMATOLOGY
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833

DESCENT
Performance effects of plan-based displays in commercial aviation p 518 A95-95056

DESICCATORS
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351

DESIGN
Design and evaluation of instrument approach procedure charts p 518 A95-95050

Improving situation awareness displays for air traffic controllers p 520 A95-95088
DESIGN ANALYSIS
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
Using second law analysis to predict the efficiency of ECLSS subsystems
[SAE PAPER 932061] p 466 A95-91640
Functions effectiveness model for design of integrated regenerative life support system
[SAE PAPER 932066] p 467 A95-91644
Automation design and crew coordination p 522 A95-95126
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
Development of Japanese experiment module remote manipulator system p 315 N95-23708
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
DESORPTION
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
DETECTION
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix
[HTN-95-41642] p 357 A95-78737
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370
Principles of constructing an expert system for medical thermal vision
[HTN-95-61164] p 399 A95-86263
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086
Anti-idiotype probes for toxin detection
[AD-A286955] p 379 N95-26435
Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder
[AD-A289725] p 430 N95-28685
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140
DETECTORS
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348
DETERGENTS
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
DETERIORATION
Evaluation of dried storage of platelets for transfusion: Physiologic integrity and hemostatic functionality
[AD-A286078] p 253 N95-20850
DETERMINANTS
Validation of astronaut psychological select-in criteria p 171 N95-16762
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611
DETONATION WAVES
Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971
DEUTERIUM
The Strecker synthesis from interstellar precursors as a source of amino acids in carbonaceous chondrites: Deuterium retention during synthesis — Abstract only p 108 A95-63765
Titan's atmosphere composition: Certainties and speculations p 217 A95-66792
DEVELOPMENT
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
DIABETES MELLITUS
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531
Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats
[HTN-95-A0107] p 197 A95-68890
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
DIAGNOSIS
Calculation of characteristic x rays in diagnostic d-ray spectrum
[BTN-94-EIX94341341389] p 145 A95-65124
Continuous pneumothorax monitoring by remittance measurement
[BTN-94-EIX94421282946] p 348 A95-78957
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421282962] p 349 A95-78962
Using laser spectroscopy to diagnose disease p 434 A95-87829
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
Initial development and validation of a multi-modal model for understanding and treating airsickness p 489 A95-95137
Medical and surgical evaluation and care of illness in space
[NASA-CR-196280] p 17 N95-10937
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties p 166 N95-19435
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436
Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059
Care in the air: A system analysis of clinical outcomes in aeromedical evacuation p 472 N95-29626
Managing technological change in a military treatment facility: A case study of medical diagnostic imaging support (MDIS) system
[AD-A294894] p 533 N95-34573
DIALYSIS
The fluid content of the shell tissues of the human body under different experimental conditions p 437 A95-88564
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400
DIAMETERS
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
DIAPHRAGM (ANATOMY)
Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907
Ventilatory responses to inspiratory threshold loading and role of muscle fatigue in task failure
[HTN-95-10064] p 49 A95-61915
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
Myosin and actin filament lengths in diaphragms from emphysematous hamsters
[HTN-95-10120] p 63 A95-61971
Effect of hypoxia on neuromuscular transmission in the developing diaphragm
[HTN-95-60037] p 68 A95-62145
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes
[HTN-95-60056] p 73 A95-62164
Dimethyl sulfoxide depresses skeletal muscle contractility
[HTN-95-70063] p 78 A95-62525
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
Respiratory response to inhaled CO2 during positive inspiratory pressure in humans
[HTN-95-A0141] p 205 A95-68924
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
Regional diaphragm shortening measured by sonomicrometry
[HTN-95-70492] p 228 A95-71514
Adverse effect of hyperinflation on parasternal intercostals
[HTN-95-50853] p 234 A95-73043
Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide
[HTN-95-50856] p 235 A95-73046
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats
[HTN-95-50857] p 235 A95-73047
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060
Inferences on passive diaphragm mechanics from gross anatomy
[HTN-95-50888] p 242 A95-73078
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
N-acetylcysteine depresses contractile function and inhibits fatigue of diaphragm in vitro
[HTN-95-A0616] p 276 A95-74317
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
Voluntary exercise decreases progression of muscular dystrophy in diaphragm of mdx mice
[HTN-95-A0647] p 284 A95-74348
Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373
Fatigue of rapid and slow onset in isolated perfused rat and mouse diaphragms
[HTN-95-A0674] p 290 A95-74375
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity
[HTN-95-00437] p 329 A95-81954
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
Validation of a noninvasive tension-time index of inspiratory muscles
[HTN-95-91907] p 341 A95-82009
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
DIASTOLE
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
DIASTOLIC PRESSURE
Heart rate and blood pressure variabilities during graded head-up tilt
[HTN-95-21579] p 369 A95-83364
DICARBOXYLIC ACIDS
Prebiotic organic compounds in Antarctic carbonaceous chondrites — Abstract only p 107 A95-63760
DICHROISM
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252

DIELECTRICS
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
DIETHYL HYDROGEN PHOSPHITE (DEHP)
A comparative study of the effects of ciofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
DIETS
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
Beta-Carotene and CNS oxygen toxicity in rats
[HTN-95-10105] p 59 A95-61956
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848
Copper metabolism in rats fed ascorbic acid or restricted amounts of copper
[PB94-191343] p 28 N95-11902
The relationship between space sickness and preflight diet p 88 N95-15122
DIFFERENCES
Behavioural changes in Paramecium and Didinium exposed to short-term microgravity and hypergravity p 407 A95-87297
DIFFERENTIAL EQUATIONS
Application of compartmental metabolic models for determination of retention and excretion functions
[DE95-600249] p 352 N95-24367
DIFFERENTIATION (BIOLOGY)
Experiments on embryos in Space: An overview
[ISBN 0-08-042485-6] p 6 A95-60654
Development of plant protoplasts during the IML-1 mission
[ISBN 0-08-042485-6] p 6 A95-60655
Development and chromosome mechanics in nematodes: Results from IML-1
[ISBN 0-08-042485-6] p 6 A95-60657
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
Early development of Xenopus embryos is affected by simulated gravity
[ISBN 0-08-042485-6] p 7 A95-60661
Teratogenic effects of gravitational changes
[ISBN 0-08-042485-6] p 8 A95-60664
Formation of otoconia in the Japanese red-bellied newt, Cynops pyrrhogaster
[ISBN 0-08-042485-6] p 9 A95-60670
Cilium (undulipodium): Origin and geometry --- Abstract only p 134 A95-63886
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808
DIFFRACTION
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
DIFFUSION
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
Time course of blood volume changes in an isolated lung lobe after venous pressure elevation
[HTN-95-70496] p 229 A95-71518
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
In vitro system for studying metabolism of environmental chemicals in human cells
[AD-A284174] p 159 N95-18518
Skeletal muscle ischemia and heat shock proteins
[AD-A285364] p 252 N95-20549
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851
DIGESTING
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
DIGITAL DATA
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
DIGITAL SYSTEMS
Digital glucosimeter-polarimeter for measuring the optical activity of solutions
[HTN-95-61167] p 399 A95-86266
DIGITAL TECHNIQUES
Long-range eye tracking: A feasibility study
[DE95-008587] p 393 N95-28176
DIGITAL TRANSDUCERS
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
DIMENSIONAL MEASUREMENT
Body dimensions for apparel
[PB94-187739] p 37 N95-11908
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730
DISASTERS
Psychological first-aid: A practical aide-memoire
[HTN-95-12210] p 455 A95-91910
DISCRIMINANT ANALYSIS (STATISTICS)
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
DISEASES
Dynamic mutations
[HTN-95-00506] p 375 A95-83386
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
Using laser spectroscopy to diagnose disease p 434 A95-87829
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
Treatment of murine lupus with CTLA4Ig
[BTN-95-EIX95302460580] p 488 A95-94245
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
Netherlands Institute for Brain Research progress report, 1993
[PB95-135398] p 255 N95-21352
DISK OPERATING SYSTEM (DOS)
Personal computer and workstation operating systems tutorial
[AD-A280132] p 264 N95-20041
DISORDERS
Motor activity anddepression-related disorders
[HTN-95-11907] p 390 A95-85988
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761
DISORIENTATION
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
Disorientation and postural disequilibrium from simulated flight p 490 A95-95164
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base p 509 A95-95195
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714
DISPLACEMENT
Mechanics and form of the maize leaf: In vivo qualification of flexural behavior
[BTN-94-EIX94461400303] p 141 A95-65315
Finite element analysis of a composite wheelchair wheel design
[NASA-TM-108463] p 22 N95-11195
DISPLAY DEVICES
Space robot telemanipulation experiment using predictive display p 394 A95-82465
Psychophysical foundations of a model of amplified night vision in target detection tasks
[HTN-95-B0066] p 389 A95-85882
Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance p 516 A95-95039
A comparison of performance with visual and auditory displays in a simulated target localization task p 517 A95-95042
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
Encoding altitude and rate information in cockpit displays of traffic information: Color my world p 518 A95-95051
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
Improving situation awareness displays for air traffic controllers p 520 A95-95088
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406
The display of tactile information p 96 N95-14017
Human operator tracking performance with a vibrotactile display p 100 N95-14049
Human performance in the modern cockpit p 171 N95-16764
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875
A 3D stereo data visualization and representation
[AD-A284788] p 261 N95-20064
Space constancy on video display terminals
[AD-A280015] p 261 N95-20314
Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971
Psychophysical evaluation of three-dimensional auditory displays
[NASA-CR-198010] p 353 N95-24564
Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041
Visual system operational evaluation
[AD-A289173] p 392 N95-27012

Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378

DISRUPTING
Again on isolated cells and spores of microorganisms 'exploding' on the Earth orbit
[HTN-95-41644] p 358 A95-78739

DISTANCE
The effect of scene content on speed, time, and distance perception p 497 A95-95078

DISTRIBUTED PARAMETER SYSTEMS
Design considerations for FrankTalk: A distributed group support system
[AD-A289386] p 401 N95-26863
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884

DIURESIS
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975

DIURETICS
Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134

DIURNAL VARIATIONS
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
Elevated CO2: Impact on diurnal patterns of photosynthesis in natural microbial ecosystems p 480 A95-93796
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204

DIVING (UNDERWATER)
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans
[HTN-95-A0108] p 197 A95-68891
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665

DOGS
The early evolution of the domestic dog
[HTN-95-92321] p 376 A95-85365
Prevent and cure disuse bone loss
[NASA-CR-196845] p 17 N95-11594

DONOR MATERIALS
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697

DOPA
Effect of dopamine on hypoxic ventilatory response of sedated piglets with intact and denervated carotid bodies
[HTN-95-A0611] p 275 A95-74312
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953

DOPED CRYSTALS
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226

DOSAGE
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898
Dose dependency of perceived breathlessness on hypoventilation during exercise in normal subjects
[HTN-95-70469] p 222 A95-71491
The chronic effects on JP-8 jet fuel exposure on the lungs
[AD-A280982] p 149 N95-16515
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20074
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
Toxicity assessment of liquid propellant XM46 p 387 N95-28319

DOSIMETERS
Time resolving detector systems for radiobiological investigations of effects of single heavy ions p 349 A95-81440
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
Validity of the concept of absorbed dose as a physical quantity
[HTN-95-B0593] p 488 A95-93843
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981
Summaries of fiscal year 1994 projects in medical applications and biophysical research
[DE95-010405] p 487 N95-32040

DRINKING
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544

DROP SIZE
Raindrops on Titan p 218 A95-66795

DROPS (LIQUIDS)
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (2) — Abstract only p 110 A95-63779
Raindrops on Titan p 218 A95-66795

DROSOPHILA
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911

DRUGS
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
Illness, drugs, fatigue and stress in the cockpit reported by pilots p 489 A95-95136
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745
Medication in the course of active flying duty p 168 N95-19443
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863

DRYDOCKS
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083

DRYING
The stability of DNA in extreme dryness — Abstract only p 135 A95-63894
DNA stability and survival of Bacillus subtilis spores in extreme dryness p 423 A95-88748

DRYING APPARATUS
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339

DUMMIES
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021

DYE LASERS
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952

DYES
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390

DYNAMIC CHARACTERISTICS
Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling
[HTN-94-00359] p 18 A95-60105

DYNAMIC LOADS
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329

DYNAMIC MODELS
Neutral networks for control, identification and diagnosis p 514 A95-93797
Qualitative reasoning methods for CELSS modeling p 515 A95-93798
Examination of the processes underlying multilevel efficacy-performance spirals: A flight simulation study
[AD-A282136] p 20 N95-11340
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811

DYNAMIC PRESSURE
How to move a planet
[HTN-95-60883] p 358 A95-78863

DYNAMIC PROGRAMMING
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890

DYNAMIC RESPONSE
Toward a psychophysical assessment of dynamic changes in mental workload
[HTN-95-B0109] p 397 A95-85925
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406
Individual variability in the transmission of vertical vibration from seat to head
[ISVR-TR-236] p 104 N95-15850

DYNAMIC TESTS
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 28 N95-12006

DYNAMICAL SYSTEMS
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529

E

EAR PROTECTORS
Speech intelligibility and protective effectiveness of selected active noise reduction and conventional communicatios headsets
[HTN-95-B0075] p 377 A95-85891

Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
Actual effectiveness of hearing protection in high level impulse noise
[AD-A291604] p 449 N95-28941
User acceptability and comfort of the communications earplug (CEP) when used in the UH-1 helicopter
[AD-A294047] p 539 N95-34492

EARLY WARNING SYSTEMS
Prediction of solar particle events for exploration class missions p 349 A95-81436

EARPHONES
Speech intelligibility and protective effectiveness of selected active noise reduction and conventional communicatios headsets
[HTN-95-B0075] p 377 A95-85891

EARTH (PLANET)
Higher order statistics of planetary gravities and topographies
[HTN-95-20761] p 268 A95-71121
Life from the stars? --- extraterrestrial sources contributing to chemical evolution on Earth
[HTN-95-20821] p 230 A95-72081

EARTH ENVIRONMENT
Isotope fractionations in the terrestrial carbon cycle: A brief overview p 195 A95-66807
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775

EARTH GRAVITATION
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Living in space
[NASA-TM-110536] p 314 N95-23274

EARTH ORBITAL ENVIRONMENTS
Again on isolated cells and spores of microorganisms 'exploding' on the Earth orbit
[HTN-95-41644] p 358 A95-78739
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228

EARTH RESOURCES
Clearing-house mechanism to promote and facilitate technical and scientific cooperation under the UN Convention on Biological Diversity
[PB95-214557] p 530 N95-33236

EARTH ROTATION
How to spin a planet
[HTN-95-60882] p 358 A95-78862

EARTH SURFACE
Are periodicities in crater formations and mass extinctions related?
[HTN-95-50109] p 105 A95-63321

EARTHQUAKES
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600

EAST GERMANY
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719

ECHOCARDIOGRAPHY
Human pulmonary vasculr and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight p 42 N95-15094
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511

ECOLOGY
Nonequilibrium determinants of biological community structure
[HTN-95-11904] p 378 A95-85985
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618

ECONOMIC ANALYSIS
Anaerobic digestion analysis model: User's manual
[DE94-011858] p 246 N95-20471

ECONOMIC FACTORS
Time, ice and terraforming
[HTN-95-60881] p 358 A95-78861

ECONOMICS
Anaerobic digestion analysis model: User's manual
[DE94-011858] p 246 N95-20471

ECOSYSTEMS
Dynamics of a terraformed Martian biosphere
[HTN-95-60880] p 358 A95-78860
Nonequilibrium determinants of biological community structure
[HTN-95-11904] p 378 A95-85985
Elevated CO2: Impact on diurnal patterns of photosynthesis in natural microbial ecosystems p 480 A95-93796
ECOSIMP2 model: Prediction of CO2 concentration changes and carbon status in closed ecosystems p 480 A95-93800
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386

EDEMA
Recovery from increased pressure or increased leakiness edema in perfused sheep lungs
[HTN-95-A0602] p 273 A95-74303
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
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Tracheal mucosal edema in hydrostatic pulmonary edema
[HTN-95-A0619] p 277 A95-74320
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Flow pulsatility does not increase mean microvascular pressure or filtration in zone 3 rabbit lungs
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Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
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Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512

EDGES
Use of optical edge and optical flow rate: Information in the perception and control of ground velocity p 497 A95-95079
Inflatable life vest
[AD-D017273] p 471 N95-29600

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Simulation of arthroscopic surgery using MRI data p 145 N95-15975
Results of an International Space Crew Debrief p 152 N95-16750
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
The assessment of virtual reality for human anatomy instruction p 160 N95-18971
Assessment of the ACSE science learning environment and the impact of movies and simulations
[AD-A284071] p 175 N95-19068
Intelligent tutoring systems: Past, present, and future
[AD-A280011] p 261 N95-19970
Living in space
[NASA-TM-110536] p 314 N95-23274
Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361
The effects of Crew Resource Management (CRM) training in airline maintenance: Results following three year's experience
[NASA-CR-196696] p 394 N95-28676
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Test theory reconceived
[AD-A291836] p 456 N95-29432
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
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Flight nurse school in the Hellenic Air Force p 452 N95-29629
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846
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Aerospace physiology AFSC 4M0X1
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Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609
Presentation of a Swedish study program concerning recruitment, selection and training of student air traffic controllers: The MRU project phase 1 p 535 N95-34775

EFFECTIVENESS
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381

EFFECTS
The effect of special boards of flight surgeons on the evolution of US Naval flight standards p 162 N95-19417

EFFERENT NERVOUS SYSTEMS
Motor activity anddepression-related disorders
[HTN-95-11907] p 390 A95-85988
Intersensory coordination p 97 N95-14020
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Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties p 166 N95-19435
Vertical impact testing of two helmet-mounted night vision systems
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Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
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ELASTIC WAVES
Theoretical modeling of ocular tissue damage by short pulse laser
[AD-A280928] p 16 N95-10533
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Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368
ELBOW (ANATOMY)
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040
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ELECTRIC FIELDS
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548
ELECTRIC POTENTIAL
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426
ELECTRIC POWER PLANTS
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
ELECTRIC PULSES
Inhibition-produced patterning in chains of coupled nonlinear oscillators
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Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846
ELECTRIC SPARKS
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Differential effects of voluntary and involuntary activation on contractile characteristics of two human muscles
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Retrotrapezoid nucleus glutamate injections: Long-term stimulation of phrenic activity
[HTN-95-60050] p 72 A95-62158
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist
[HTN-95-A0152] p 207 A95-68935
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
Symmetry, bifurcations, and chaos in a distributed respiratory control system
[HTN-95-50884] p 241 A95-73074
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
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Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity p 432 A95-87488
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846
ELECTRICAL IMPEDANCE
Segmental bioelectrical impedance analysis: Theory and application of a new technique
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Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
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ELECTRICAL INSULATION
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
ELECTRICAL MEASUREMENT
Extracellular ionic composition alters kinetics of vesicular release of catecholamines and quantal size during exocytosis at adrenal medullary cells
[AD-A281613] p 146 N95-16112
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846
ELECTRICAL PROPERTIES
Electrical model for ion channels in excitable membranes
[BTN-94-EIX94371346929] p 269 A95-73341
Electrical and electronic properties of self-assembled lipid bilayers
[AD-A290507] p 431 N95-29155
ELECTRICAL RESISTANCE
Segmental bioelectrical impedance analysis: Theory and application of a new technique
[HTN-95-A0594] p 271 A95-74295
ELECTRICITY
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981
ELECTRO-OPTICS
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
ELECTROCARDIOGRAPHY
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618
Algorithm for real-time detection of QRS complex in ECG signal
[HTN-95-93118] p 491 A95-95619
Changes in ECG in ground squirrels under several special conditions
[HTN-95-93127] p 487 A95-95628
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
Hemodynamic responses to passive body tilts p 86 N95-15096
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
ELECTROCHEMISTRY
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005
Cellular responses to endogenous electrochemical gradients in morphological development p 408 A95-87489
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326
ELECTRODES
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
Experimental definition for implantation of the AFIT cortical multielectrode array
[AD-A289216] p 386 N95-26991
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin
[AD-A290439] p 487 N95-30452
ELECTRODIALYSIS
Electrodialysis simulation to achieve optimum current density
[SAE PAPER 932074] p 468 A95-91652
ELECTRODYNAMICS
Interaction mechanisms and biological effects of static magnetic fields
[DE95-004929] p 347 N95-26169
ELECTROENCEPHALOGRAPHY
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
Measurement and modification of the EEG and related behavior p 99 N95-14038
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
The EEG in the evaluation of applicants to aircrew members p 165 N95-19432
Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
Experimental definition for implantation of the AFIT cortical multielectrode array
[AD-A289216] p 386 N95-26991
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
ELECTROLYTE METABOLISM
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
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K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
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Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365

Unidirectional sodium and potassium flux in myogenic L6 cells: Mechanisms and volume-dependent regulation
[HTN-95-21587] p 372 A95-83372
The fluid content of the shell tissues of the human body under different experimental conditions
p 437 A95-88564
Volume regulation in humans during weightlessness
p 438 A95-88568
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595

ELECTROMAGNETIC FIELDS
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields
[DE94-015200] p 143 N95-18371
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981

ELECTROMAGNETIC PULSES
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
Considerations for human exposure standards for fast-rise-time high-peak-power electromagnetic pulses
[HTN-95-92918] p 446 A95-91856
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548

ELECTROMAGNETIC RADIATION
Ultrashort pulse response in nonlinear dispersive media p 424 A95-90932
Deeper-penetrating waves in lossy media
p 424 A95-90934
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
Considerations for human exposure standards for fast-rise-time high-peak-power electromagnetic pulses
[HTN-95-92918] p 446 A95-91856
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981

ELECTROMAGNETIC WAVE TRANSMISSION
Deeper-penetrating waves in lossy media
p 424 A95-90934
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889

ELECTROMYOGRAPHY
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
Metabolic-ventilatory interaction in conscious rats: Effect of hypoxia and ambient temperature
[HTN-95-10095] p 57 A95-61946
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep
[HTN-95-10097] p 57 A95-61948
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283
Influence of isometric loading on biceps EMG dynamics as assessed by linear and nonlinear tools
[HTN-95-00412] p 322 A95-81929
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708
Coordination of human upper arm and forearm motion in rapid extensions p 101 N95-14056
Robotic control using muscular and neural electrical signals
[AD-A284908] p 92 N95-15757
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight
p 151 N95-16744
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
Analysis of musculo-skeletal loading using electromyography and biomechanical modelling
[PB95-135828] p 254 N95-21007

ELECTRON ENERGY
Estimation of spatially restricted LET using track structure models p 527 N95-32722

ELECTRON MICROSCOPES
Analysis of electron microscope images: 3-D localization of immuno-markers
[PB94-197977] p 41 N95-13990

ELECTRON MICROSCOPY
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
Evaluation of dried storage of platelets for transfusion: Physiologic integrity and hemostatic functionality
[AD-A286078] p 253 N95-20850

ELECTRON TRANSFER
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697

ELECTRONIC EQUIPMENT TESTS
Is there a role for a test controller in the development of new ATC equipment? p 542 N95-34778

ELECTROPHORESIS
Oligonucleotides as probes for studying polymerization reactions under prebiotic conditions --- Abstract only
p 121 A95-63833
Capillary electrophoresis: Biotechnology for separation of DNA and chromosomes p 144 N95-19014
Development of novel separation techniques for biological samples in capillary electrophoresis
[DE95-001672] p 305 N95-22493
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
Electrophoretic separation of cells and particles from rat pituitary --- analysis of pituitary cell electrophoresis experiment done on IML-2 (7/94)
[NASA-CR-197975] p 345 N95-24475

ELECTROPHYSIOLOGY
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
Development of electrophysiological measures of GA pilot workload p 507 A95-95178
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
Measurement and modification of the EEG and related behavior p 99 N95-14038
Tactile discrimination and representations of texture, shape, and softness p 99 N95-14041
Characterization of neurotrophic and neurotropic interactions between neurons and their muscle and nerve targets
[AD-A281846] p 148 N95-16423
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization
[AD-A284111] p 143 N95-18439
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301
Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811
Cellular interactions in the suprachiasmatic nucleus
[AD-A285639] p 311 N95-23780
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin-Huxley model of a neuron
[AD-A293821] p 493 N95-31552

ELECTROSTATICS
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075

ELEVATOR ILLUSION
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740

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[BTN-94-EIX94401310327] p 305 A95-76502
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project
p 415 A95-87525
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528
Concentration and temperature effects on ovostatin activity p 144 N95-18997
Open problems of computational molecular biology
[DE95-000895] p 306 N95-22866

EMBRYOS
Early development of Xenopus embryos is affected by simulated gravity
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[GTN-95-0168583X94006091-57] p 363 A95-83090
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
The avian embryo responding to microgravity of space flight p 43 N95-15104
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

EMERGENCIES
Psychological first-aid: A practical aide-memoire
[HTN-95-12210] p 455 A95-91910
Cockpit crises and decision making: Implications for pilot training p 495 A95-95067
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148

EMERGENCY LIFE SUSTAINING SYSTEMS
Comparison of airline passenger oxygen systems
[HTN-95-01217] p 444 A95-91449

EMISSION SPECTRA
Phantoms for fluorescence spectroscopy
p 435 A95-87830
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence
p 435 A95-87832

EMITTANCE
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720

EMOTIONAL FACTORS
Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
Is the pilot fit for flying after an accident?
p 164 N95-19425

EMPHYSEMA
Myosin and actin filament lengths in diaphragms from emphysematous hamsters
[HTN-95-10120] p 63 A95-61971

EMPLOYEE RELATIONS
The co-pilot: Pilot's 'mate' or pilot-in-the-making? a study of ambiguity and conflict in the cockpit p 499 A95-95109
Beyond reason: The non judgmental path of least resistance to graceful CRM p 499 A95-95110
ENCAPSULATING
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon [AD-A279667] p 252 N95-20602
ENCEPHALITIS
Effect of muscular exercise on chronic relapsing experimental autoimmune encephalomyelitis [HTN-95-50862] p 236 A95-73052
World Reference Center for Arboviruses [AD-A281635] p 91 N95-15445
END EFFECTORS
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
Development of Advanced Robotic Hand System for space application p 314 N95-23704
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification [AD-A289399] p 401 N95-26884
ENDOCRINE GLANDS
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla p 418 A95-88591
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats [HTN-95-93124] p 486 A95-95625
ENDOCRINE SECRETIONS
Modulation of IGF mRNA abundance during stretch-induced skeletal muscle hypertrophy and regression [HTN-95-70078] p 76 A95-62520
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats [HTN-95-70084] p 78 A95-62526
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
ENDOCRINOLOGY
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090
ENDOPLASMIC RETICULUM
Transduction of the gravity stimulus in the root statocyte [ISBN 0-08-042485-6] p 2 A95-60634
Cell biology of plant gravity sensing [ISBN 0-08-042485-6] p 4 A95-60646
ENDOTHELIUM
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase [HTN-95-10091] p 56 A95-61942
Short-term daily exercise activity enhances endothelial NO synthesis in skeletal muscle arterioles of rats [HTN-95-70085] p 78 A95-62527
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle [HTN-95-A0106] p 196 A95-68889
Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide [HTN-95-50856] p 235 A95-73046
Oxygen sensors in vascular smooth muscle [HTN-95-50885] p 241 A95-73075
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury [HTN-95-A0703] p 297 A95-75272
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold [HTN-95-A0715] p 300 A95-75284
ENDOTOXINS
Regional lung hematocrit variation and assessment of acute lung injury [HTN-95-A0111] p 198 A95-68894
Evans blue dye in the assessment of permeability-surface area product in perfused rat lungs [HTN-95-A0155] p 208 A95-68938
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia [HTN-95-A0687] p 293 A95-75256
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep [HTN-95-A0708] p 298 A95-75277
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide [HTN-95-A0732] p 304 A95-75301
ENERGY ABSORPTION
Absorption of ultra-short wave radiant energy by white rats [HTN-95-93126] p 486 A95-95627
ENERGY BUDGETS
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications [HTN-95-51074] p 317 A95-77124
ENERGY CONSUMPTION
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men [HTN-95-A0620] p 277 A95-74321
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering [HTN-95-A0623] p 278 A95-74324
Isotopic determination of glycolytic flux during intense exercise in humans [HTN-95-91887] p 336 A95-81989
Bioenergetics and biomechanics of front crawl swimming [HTN-95-91911] p 342 A95-82013
Adaptations in muscle metabolism to prolonged voluntary exercise and training [HTN-95-21571] p 368 A95-83356
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise [HTN-95-21592] p 373 A95-83377
Protein requirements for long term missions p 488 A95-93778
Energy expenditure, physical work load and postural control during walking on a moving platform [AD-A285343] p 178 N95-16821
ENERGY CONVERSION
Bioprocessing in nonaqueous media: Critical needs and opportunities [DE95-004878] p 346 N95-24843
ENERGY DISSIPATION
Short-lived dissipative nanostructures in solids: Did phase-ordered phonons contribute to biopolymer evolution? [HTN-95-41643] p 358 A95-78738
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis [DE94-018383] p 245 N95-19969
ENERGY REQUIREMENTS
CELSS engineering parameters [SAE PAPER 932130] p 463 A95-90371
ENERGY SPECTRA
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
ENERGY TECHNOLOGY
Biologically produced succinic acid: A new route to chemical intermediates [DE95-000257] p 345 N95-24306
Clean fractionation of biomass [DE95-000259] p 345 N95-24307
Inhalation Toxicology Research Institute [AD-A292037] p 451 N95-29188
ENERGY TRANSFER
The role of polyphosphates at different stages of life evolution on Earth — Abstract only p 135 A95-63895
Comparison of the rate constants for energy transfer in the light-harvesting protein, C-phycocyanin, calculated from Foerster's theory and experimentally measured by time-resolved fluorescence spectroscopy [DE94-014961] p 306 N95-22590
Energy transfer in real and artificial photosynthetic systems [DE95-005824] p 382 N95-27948
Estimation of spatially restricted LET using track structure models p 527 N95-32722
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
ENGINEERING
JPRS report: Science and technology. Central Eurasia: Life sciences [JPRS-ULS-93-012] p 31 N95-11744
ENRICHMENT
Root growth and development in response to CO2 enrichment [NASA-CR-196154] p 142 N95-16429
ENTRAINMENT
Neurophysiological analysis of circadian rhythm entrainment [AD-A280981] p 148 N95-16484
ENTROPY
Information, entropy, thermodynamics and the origin of life — Abstract only p 140 A95-63925
ENVIRONMENT EFFECTS
The avian embryo responding to microgravity of space flight p 43 N95-15104
ENVIRONMENT MANAGEMENT
Clearing-house mechanism to promote and facilitate technical and scientific cooperation under the UN Convention on Biological Diversity [PB95-214557] p 530 N95-33236
ENVIRONMENT MODELS
The NASA Ames Controlled Environment Research Chamber - Present status [SAE-TP-941488] p 22 A95-60150
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015
Generation of a modeling and simulation system for a semi-closed plant growth chamber [SAE PAPER 932128] p 463 A95-90369
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber [SAE PAPER 932167] p 465 A95-90402
ECOSIMP2 model: Prediction of CO2 concentration changes and carbon status in closed ecosystems p 480 A95-93800
ENVIRONMENT POLLUTION
Light remedies for hazardous wastes [HTN-95-41864] p 320 A95-80590
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident [GTN-95-00489697-4145] p 429 A95-92251
Mobility and dissipation of cadusafos in banana fields in Martinique [GTN-95-00489697-4162] p 429 A95-92257
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater [GTN-95-00489697-4188] p 430 A95-92258
ENVIRONMENT PROTECTION
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1 [NASA-TM-108836] p 13 N95-10826
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers [ISBN-0-7717-0267-1] p 23 N95-11600
Concordia Station p 23 N95-11602
Fuzzy clustering of facial form for prototyping environmental protection equipment [DE94-014657] p 267 N95-22466
Marshall Space Flight Center solid waste characterization and recycling improvement study [NASA-CR-196594] p 402 N95-27164
ENVIRONMENT SIMULATION
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Simulation fidelity of a virtual environment display [HTN-95-B0112] p 398 A95-85928
Generation of a modeling and simulation system for a semi-closed plant growth chamber [SAE PAPER 932128] p 463 A95-90369
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin [HTN-95-93120] p 523 A95-95621
A two dimensional artificial reality p 101 N95-14052
Destabilizing effects of visual environment motions simulating eye movements or head movements p 103 N95-14061
ENVIRONMENT SIMULATORS
Studies in the search for life on Mars p 192 A95-66779
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
ENVIRONMENTAL CONTROL
Life support systems [AAS PAPER 91-320] p 458 A95-87471
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992 [HTN-95-42627] p 436 A95-88558
Critical issues for space life sciences p 436 A95-88559

Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642
Environmental control and life support system selection for the first Lunar outpost habitat
[SAE PAPER 932065] p 467 A95-91643
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932088] p 469 A95-91662
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663
CELSS: Possible contributions to earth science program and others p 514 A95-93775
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364

ENVIRONMENTAL ENGINEERING
Effects of lighting and task parameters on visual acuity and performance
[PB94-179231] p 19 N95-10236
Annual historical report, calendar year 1993
[AD-A280178] p 211 N95-19827

ENVIRONMENTAL LABORATORIES
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004

ENVIRONMENTAL MONITORING
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260
Optical sensors for monitoring and control of plant growth systems p 478 A95-93787
USAF cellular mechanism of turnover of the stress induced protein HSP70
[AD-A285618] p 251 N95-19898
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298

ENVIRONMENTAL TESTS
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298

ENVIRONMENTS
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
Developing subjective and objective metrics of pilot situation awareness p 508 A95-95183
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
Situation awareness and workload flip sides of the same coin p 508 A95-95185
Cockpit attention and task management: Situation awareness in the tactical fighter p 508 A95-95186
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227

ENZYME ACTIVITY
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath)
[HTN-94-00465] p 1 A95-60154
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943
Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
Inhibition of aldosterone release by hypoxia in vitro: Interaction with carbon monoxide
[HTN-95-60031] p 67 A95-62139
(31)P-NMR spectroscopy, rsEMG, and histochemical fiber types of human wrist flexor muscles
[HTN-95-60033] p 68 A95-62141
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
Effect of endurance training on activators of glycolysis in muscle during exercise
[HTN-95-60042] p 70 A95-62150
Blood flow, mitochondria, and performance in skeletal muscle after denervation and reinnervation
[HTN-95-60043] p 70 A95-62151
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154
Short-term daily exercise activity enhances endothelial NO synthesis in skeletal muscle arterioles of rats
[HTN-95-70085] p 78 A95-62527
Approaches to the selection of an RNA replicase --- Abstract only p 113 A95-63792
Directed evolution of catalytic RNA --- Abstract only p 113 A95-63793
An assemblage of free amino acids as a possible prebiotic enzyme --- Abstract only p 115 A95-63806
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
Myosin isoforms in mammalian skeletal muscle
[HTN-95-A0102] p 195 A95-68885
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
Effects of altered muscle activation on oxidation enzyme activity in rat alpha-motoneurons
[HTN-95-50858] p 235 A95-73048
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060
Force and contractile characteristics after stretch overload in quail anterior latissimus dorsi muscle
[HTN-95-A0596] p 271 A95-74297
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
Neutral endopeptidase modulates substance P-induced vasodilation in vivo
[HTN-95-91897] p 339 A95-81999
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
Unidirectional sodium and potassium flux in myogenic L6 cells: Mechanisms and volume-dependent regulation
[HTN-95-21587] p 372 A95-83372
Possible mechanisms of plant cell wall changes at microgravity p 408 A95-87490
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
Peptidase-1 expression in some organs of the salamander Pleurodeles waltl submitted to a 12-day space flight p 415 A95-87524
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617
Process strategies in the enzymatic resolution of enantiomers
[PB95-107850] p 245 N95-20208
Structures and functions of oligosaccharins
[DE95-003195] p 249 N95-22220
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873

ENZYMES
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Amino acid distribution in acient and derived proteins --- Abstract only p 117 A95-63814
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell --- Abstract only p 118 A95-63820
Inhibition of amino acid metabolic enzymes by alpha-aminoisobutyric acid --- Abstract only p 131 A95-63876
The early evolution of metabolic pathways --- Abstract only p 132 A95-63880
Archaebacterial ribulose bisphosphate carboxylase --- Abstract only p 138 A95-63914
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily --- Abstract only p 139 A95-63918
Myosin isoforms in mammalian skeletal muscle
[HTN-95-A0102] p 195 A95-68885
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
On the absolute meaning of the energy scale approximately kT in the thermal interference involved in enzyme-coupled reactions
[HTN-95-92207] p 375 A95-84063
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697
Rational enzyme redesign
[DE94-014565] p 29 N95-12677
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144

Investigation of pressure regulation in an archaebacterial enzyme
[AD-A281413] p 142 N95-16164
Process strategies in the enzymatic resolution of enantiomers
[PB95-107850] p 245 N95-20208
Bacterial luciferase: Determination of the structure by x-ray diffraction
[AD-A279699] p 246 N95-20711
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
Overview of selected molecular biological databases
[DE95-005906] p 346 N95-25181
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727

ENZYMOLOGY
Structure and evolution of an RNA enzyme: Ribonuclease P. — Abstract only p 137 A95-63910
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617
Investigation of pressure regulation in an archaebacterial enzyme
[AD-A281413] p 142 N95-16164

EPIDEMIOLOGY
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054
Aviation Epidemiology Data Register: Gender-specific attrition from the trained US Army aviator cohort of 1988
[AD-A284395] p 92 N95-15810
Aviation epidemiology data register: Age-specific medical and nonmedical attrition rates among Fort Rucker civilian aviators
[AD-A284970] p 146 N95-16132
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287
Resource recovery and epidemiology of anaerobic wastewater treatment process in a controlled ecological life support system
[NASA-CR-197930] p 314 N95-23474
Aviation epidemiology data register
[AD-A279303] p 352 N95-24423
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
[AD-A291856] p 456 N95-29434

EPIDERMIS
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524

EPINEPHRINE
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
Effect of endurance training on activators of glycolysis in muscle during exercise
[HTN-95-60042] p 70 A95-62150
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745

EPITHELIUM
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639
Evaportion-induced changes in airway surface liquid on an isolated guinea pig trachea
[HTN-95-10115] p 62 A95-61966
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig
[HTN-95-50892] p 243 A95-73082
Use of scaling theory to relate measurements of lung endothelial barrier permeability
[HTN-95-50898] p 244 A95-73088
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970
Circadian rhythms in the sensitivity to radiation and different drugs in mouse intestinal epithelium p 419 A95-88600
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808

EQUATIONS OF MOTION
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854

EQUIPMENT SPECIFICATIONS
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
NASA advanced refrigerator/freezer technology development project overview
[NASA-TM-106309] p 309 N95-23177

ERBIUM
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226

ERGOMETERS
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
Comparison of submaximal cycling and treadmill exercise at similar work rates
[AD-A283430] p 33 N95-12593
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428

ERROR ANALYSIS
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267

ERRORS
Altitude control: Effects of texture and global optical flow p 497 A95-95080
Cockpit task management errors in critical in-flight incidents p 510 A95-95197
Human performance in the modern cockpit p 171 N95-16764
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support
[PB94-215597] p 181 N95-19412
Distance estimation training with night vision goggles under low illumination
[AD-A291338] p 472 N95-29943

ERYTHROCYTES
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
Analysis of aggregation mechanism of erythrocytes under normal- and microgravity conditions p 407 A95-87299
State of erythrocyte membrane in man and monkeys after space flight p 432 A95-87511
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Contribution of ankyrin-band 3 complexes to the organization and mechanical properties of the membrane skeleton of human erythrocyte
[DE95-005835] p 352 N95-24427
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
Effect of mild hydrostatic pressure on red blood cells
[AD-A290520] p 453 N95-29872
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924

ESCAPE SYSTEMS
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434

ESCHERICHIA
Directed evolution of novel biosynthetic pathways to proline — Abstract only p 132 A95-63881
Equally parsimonious pathways of RNA evolution may not be equally valid — Abstract only p 136 A95-63906
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
Hemoglobin-based blood substitutes and enhanced susceptibility to bacterial infections
[AD-A281023] p 148 N95-16444
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724

ESOPHAGUS
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541

Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight
p 42 N95-15094

ESTERS
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912

ESTIMATES
Meeting the nation's needs for biomedical and behavioral scientists
[LC-94-66477] p 28 N95-12310
The effect of response format on reliability estimates for tacit knowledge scales
[AD-A283547] p 94 N95-15326
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661

ESTIMATING
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
Anaerobic digestion analysis model: User's manual
[DE94-011858] p 246 N95-20471
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046
Estimation of spatially restricted LET using track structure models p 527 N95-32722

ESTROGENS
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325

ETHANE
Titan: A planetary laboratory for studying prebiotic evolution --- Abstract only p 183 A95-63753

ETHICS
Interim report of the advisory committee on human radiation experiments
[DE95-003265] p 352 N95-24497

ETHYL ALCOHOL
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904

ETHYLENE
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179

ETIOLOGY
A multimodal method for assessing and treating airsickness
[HTN-95-90719] p 209 A95-69746
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
Initial development and validation of a multi-modal model for understanding and treating airsickness
p 489 A95-95137
Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424

EUGLENA
Phototaxis in the flagellate, Euglena gracilis, under the effect of microgravity
[HTN-95-80092] p 105 A95-63478

EUKARYOTES
Molecular modelling of cellular and precellular membrane systems --- Abstract only
p 125 A95-63849
Origin of eukaryotic cell -autogenous process from cyanobacterial world- --- Abstract only
p 133 A95-63885
Archigenetic hypothesis of the early cellular evolution --- Abstract only p 134 A95-63887
Symbiogenesis and species origin --- Abstract only
p 136 A95-63907
How complex was the last common ancestor? --- Abstract only p 137 A95-63908
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase --- Abstract only p 137 A95-63911
Theories and models on the biological of cells in space p 408 A95-87486
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions
p 529 N95-32729

EUROPE
Human factors training for the new joint European (JAA) pilot licences p 504 A95-95151
The successful management of programs for human factors certification of advanced aviation technologies
p 543 N95-34780
Improving air traffic control: Proving new tools or approving the joint human-machine system?
p 543 N95-34783

EUROPEAN SPACE PROGRAMS
Future NASA plans for exobiology and solar system exploration --- Abstract only p 186 A95-63900

EVACUATING (TRANSPORTATION)
Test and evaluation of the Impact Instrumentations, Inc. Uni-Vent model 750M ventilator
[AD-A292321] p 470 N95-28792
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation
p 471 N95-29624
Care in the air: A system analysis of clinical outcomes in aeromedical evacuation p 472 N95-29626
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627
Flight nurse school in the Hellenic Air Force
p 452 N95-29629

EVALUATION
Validation of astronaut psychological select-in criteria
p 171 N95-16762

EVAPORATION
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086

EVAPORATIVE COOLING
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379

EVOKED RESPONSE (PSYCHOPHYSIOLOGY)
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials
[HTN-95-A0700] p 296 A95-75269
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431

EVOLUTION
Questionnairing university students in biology on emergence and evolution of life --- Abstract only
p 113 A95-63791

EVOLUTION (DEVELOPMENT)
Experiments on embryos in Space: An overview
[ISBN 0-08-042485-6] p 6 A95-60654
Complexity acquisition during prebiotic evolution --- Abstract only p 119 A95-63823
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620
Vision, learning, and development
[TR-492-REV] p 95 N95-15787
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885
Test theory reconceived
[AD-A291836] p 456 N95-29432

EXCIMER LASERS
Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268

EXCLUSION
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761

EXERCISE PHYSIOLOGY
Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function
[HTN-95-10055] p 46 A95-61906
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909
Exercise-induced hypoxemia in older athletes
[HTN-95-10071] p 51 A95-61922
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923
Adaptation and overtraining in horses subjected to increasing training loads
[HTN-95-70076] p 76 A95-62518
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
Short-term daily exercise activity enhances endothelial NO synthesis in skeletal muscle arterioles of rats
[HTN-95-70085] p 78 A95-62527
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
Exercise effect on bone remineralization after experimental osteoporosis of tail suspended rat
p 362 A95-82607
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
Meeting human needs
[AAS PAPER 91-313] p 457 A95-87470
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846

EXOBIOLOGY
Educational opportunities within the NASA specialized center of research and training in gravitational biology
[ISBN 0-08-042485-6] p 12 A95-60687
NASA's Space Life Sciences Training Program
[ISBN 0-08-042485-6] p 12 A95-60689
Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes
[ISBN 0-08-042485-6] p 12 A95-60690
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[ISBN 0-08-042485-6] p 12 A95-60691
The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
The organic and mineral inventory of comets and the possible role in early biological activities: A summary of the mass spectrometric studies of comet p/Halley --- Abstract only p 182 A95-63750

Exobiology experiments in Earth orbit: Results and perspectives for future research — Abstract only p 185 A95-63899
Future NASA plans for exobiology and solar system exploration — Abstract only p 186 A95-63900
An exobiology science strategy for Mars exploration — Abstract only p 186 A95-63901
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Comets and life in the Universe p 190 A95-66761
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
Exobiology research on Space Station Freedom p 215 A95-66768
Considerations of extraterresterial life p 403 A95-82618
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I p 404 A95-83983
ERA-experiment 'space biochemistry' p 404 A95-83984
ISSOL Meeting, Barcelona, Spain, 1993
[HTN-95-92680] p 419 A95-88726
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
Prebiotic chemistry in space; Proceedings of Symposia B1.4 and F3.3 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042622-0] p 472 A95-89205
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 393)
[NASA-SP-7011(393)] p 17 N95-11405
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 394)
[NASA-SP-7011(394)] p 34 N95-13230
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396)
[NASA-SP-7011(396)] p 158 N95-17703
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 397)
[NASA-SP-7011(397)] p 210 N95-19746
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399)
[NASA-SP-7011(399)] p 256 N95-21947
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 400)
[NASA-SP-7011(400)] p 352 N95-24464
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 403)
[NASA-SP-7011(403)] p 451 N95-29190

EXPANDABLE STRUCTURES
Self-generating oscillating pressure exercise device
[NASA-CASE-ARC-12000-1] p 314 N95-23264
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818

EXPERIENCE
Taking risks and taking advice: The role of experience in airline pilot diversions p 496 A95-95071
Expertise in aeronautical decision making: A cognitive skill analysis p 496 A95-95073
Practice effects on the WOMBAT device p 498 A95-95097
Effects of pilot background and experience on air combat maneuvering (ACM) performance p 498 A95-95101
Experiential learning in crew resource management p 500 A95-95114
LOS/LOFT debriefing skills and techniques p 500 A95-95119
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task p 508 A95-95179
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759

EXPERIMENT DESIGN
Ultrastructural and cellular mechanisms in myocardial deconditioning in weightlessness
[ISBN 1-55938-409-3] p 1 A95-60153
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707
Automation and crew time saving in the space experiment p 315 N95-23715

EXPERIMENTATION
Human radiation experiments: The Department of Energy roadmap to the story and the records
[DE95-006364] p 354 N95-25371

EXPERT SYSTEMS
Information presentation for expert systems in future fighter aircraft
[HTN-95-92291] p 397 A95-85335
Principles of constructing an expert system for medical thermal vision
[HTN-95-61164] p 399 A95-86263
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
Information presentation for expert systems in future aircraft cockpits p 516 A95-95038
The role of expert systems in future cooperative tools for air traffic controllers p 521 A95-95089
CRM assessment and instructor knowledge structures p 502 A95-95130
Design issues of human operator support systems
[PB94-191376] p 36 N95-11778
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086
On the development of an expert system for wheelchair selection p 214 N95-19627

EXPIRATION
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
Hyperinflation with intrinsic PEEP and respiratory muscle blood flow
[HTN-95-50867] p 237 A95-73057
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268

EXPIRED AIR
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow
[HTN-95-A0112] p 198 A95-68895
Relationship between dot-Cr and breathing pattern in mechanically ventilated patients
[HTN-95-70490] p 227 A95-71512
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346

EXPLOSIVES
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298

EXPONENTIAL FUNCTIONS
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552

EXPOSURE
Space radiation issues within the Space Exploration Initiative (SEI) p 321 A95-81454
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892
The relationship between space sickness and preflight diet p 88 N95-15122
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
The chronic effects on JP-8 jet fuel exposure on the lungs
[AD-A280982] p 149 N95-16515
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777
Phase-shifting effects of light and activity on the human circadian clock
[AD-A281204] p 156 N95-16796
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
Health hazards assessment for blast overpressure exposures
[AD-A283352] p 158 N95-17998
Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811
Skeletal muscle ischemia and heat shock proteins
[AD-A285364] p 252 N95-20549
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
Toxicity assessment of liquid propellant XM46 p 387 N95-28319
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998

EXTINCTION
Are periodicities in crater formations and mass extinctions related?
[HTN-95-50109] p 105 A95-63321
Extinction of dinosaurs: A possible novel cause p 191 A95-66769

EXTRACTION
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4198] p 430 A95-92259

EXTRASOLAR PLANETS
Time, ice and terraforming
[HTN-95-60881] p 358 A95-78861

EXTRATERRESTRIAL ENVIRONMENTS
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263

EXTRATERRESTRIAL INTELLIGENCE
Considerations of extraterresterial life p 403 A95-82618
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026

EXTRATERRESTRIAL LIFE
Considerations of extraterresterial life p 403 A95-82618

EXTRATERRESTRIAL RADIATION
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I p 404 A95-83983

ERA-experiment 'space biochemistry' p 404 A95-83984
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934
EXTRATERRESTRIAL RESOURCES
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts [SAE PAPER 932091] p 459 A95-90338
EXTRAVEHICULAR ACTIVITY
Performance of EVA suit mobility joints influence of driving parameters [SAE PAPER 932098] p 460 A95-90342
European EVA space suit: Full scale evaluations and analysis for the lower torso conceptual design [SAE PAPER 932099] p 460 A95-90343
An assessment of pressure/oxygen ratios for a Mars base [SAE PAPER 932147] p 464 A95-90386
Habitat for short duration lunar mission p 25 N95-11616
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission [NASA-TP-3489] p 32 N95-11887
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design [NASA-TM-108846] p 37 N95-11905
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970
Suited for spacewalking: Teacher's guide with activities for physical and life science [NASA-EG-101] p 96 N95-13888
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
EXTRAVEHICULAR MOBILITY UNITS
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost [SAE PAPER 932100] p 460 A95-90344
M.E.366-J embodiment design project: Portable foot restraint [NASA-CR-197163] p 38 N95-12361
The embodiment design of the heat rejection system for the portable life support system [NASA-CR-197178] p 38 N95-12555
Suited for spacewalking: Teacher's guide with activities for physical and life science [NASA-EG-101] p 96 N95-13888
EXTREMELY LOW FREQUENCIES
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields [DE94-015200] p 143 N95-18371
EYE (ANATOMY)
Effects of lateral tilt on optokinetic nystagmus, afternystagmus, and eye tracking in humans p 384 A95-82603
Eye accommodation: Use of Vernier optometers in behavioral research [HTN-95-92293] p 388 A95-85337
The unique visual system of the mantis shrimp [HTN-95-92323] p 376 A95-85367
Eyestrain in virtual environments p 490 A95-95162
Color and physiological arousal p 21 N95-11621
Light and imaging in extreme environments p 21 N95-11631
Scene analysis: A brief survey [PB94-205085] p 36 N95-13433
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms [AD-A285186] p 157 N95-16871
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task [DOT/FAA/AM-94/26] p 173 N95-17530
A physiological neural network for saccadic eye movement control [AD-A279599] p 251 N95-20301
Space constancy on video display terminals [AD-A280015] p 261 N95-20314
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms [AD-A286066] p 253 N95-20848
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985 [DOT/FAA/AM-95/11] p 353 N95-25336
Refractive changes during prolonged exposure to altitude following refractive surgery [AD-A290263] p 451 N95-29173
Reference frames in vision [AD-A290117] p 456 N95-29422
Ultrashort pulse laser effects in the primate eye [AD-A295024] p 530 N95-34789
EYE MOVEMENTS
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration [HTN-95-90032] p 82 A95-62823
The unique visual system of the mantis shrimp [HTN-95-92323] p 376 A95-85367
Validation of the otolith asymmetry hypothesis as a cause of space motion sickness p 438 A95-88572
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
Difficultie of target motion perception in space p 439 A95-88576
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180
Blink rate as a measure of fatigue: A review [DOT/FAA/AM-94/17] p 21 N95-11683
Visual psychophysics of egomotion [AD-A282547] p 35 N95-12495
Coordinated action in 3-D space [AD-A281284] p 35 N95-13375
Intersensory coordination p 97 N95-14020
Destabilizing effects of visual environment motions simulating eye movements or head movements p 103 N95-14061
Characterization of the fast-phase component of the vestibulo-ocular response [AD-A281830] p 147 N95-16360
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task [DOT/FAA/AM-94/26] p 173 N95-17530
The spatiotemporal characteristics of visual motion priming [AD-A284782] p 261 N95-20062
Space constancy on video display terminals [AD-A280015] p 261 N95-20314
Visual perception of elevation [AD-A284938] p 263 N95-22472
Long-range eye tracking: A feasibility study [DE95-008587] p 393 N95-28176
Design and integration issues of visually-coupled evaluation [AD-A293521] p 525 N95-31538
EYE PROTECTION
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441

F

FABRICATION
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor [BTN-94-EIX95012419652] p 375 A95-84370
FABRICS
Design and structural analysis of highly mobile space suits and gloves [BTN-95-EIX95182617479] p 313 A95-75750
Development of a fabric for the external protection of a space suit [SAE PAPER 932101] p 461 A95-90345
Design and technical support for development of a molded fabric space suit joint [NASA-CR-197521] p 179 N95-16894
FACE (ANATOMY)
Regeneration of guinea pig facial nerve: The effect of hypergravity p 411 A95-87505
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
Thermal resistance of the cheek in cold air [AD-A286257] p 256 N95-22001
FACTOR ANALYSIS
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects [AD-A281693] p 20 N95-11421
FAILURE
Management of human failure in the cockpit by means of a human system failure checklist p 523 A95-95199
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters [PB94-182854] p 142 N95-16801
FAILURE ANALYSIS
Dental restorative material-tooth interfaces [BTN-94-EIX94522406268] p 527 A95-96275
FARM CROPS
Vegetative growth of higher plants on a three-dimensional clinostat [HTN-95-90031] p 41 A95-62822
Techniques for optimal crop selection in a controlled ecological life support system p 37 N95-11962
Methodologies for processing plant material into acceptable food on a small scale [NASA-CR-177647] p 38 N95-12132
FAST FOURIER TRANSFORMATIONS
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image [AD-A279790] p 255 N95-21180
FASTING
Modulation of IGF mRNA abundance during stretch-induced skeletal muscle hypertrophy and regression [HTN-95-70078] p 76 A95-62520
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training [HTN-95-70089] p 79 A95-62531
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle [HTN-95-91899] p 339 A95-82001
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm [HTN-95-91905] p 341 A95-82007
FATIGUE (BIOLOGY)
Adaptation and overtraining in horses subjected to increasing training loads [HTN-95-70076] p 76 A95-62518
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise [HTN-95-70077] p 76 A95-62519
Role of sarcolemma action potentials and excitability in muscle fatigue [HTN-95-70081] p 77 A95-62523
A conceptual model of overexertion, safety, and risk of injury in occupational settings [HTN-95-B0070] p 377 A95-85886
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators [HTN-95-B0071] p 377 A95-85887
A large database study of the factors associated with work-induced fatigue [HTN-95-B0072] p 377 A95-85888
Blink rate: A possible measure of fatigue [HTN-95-B0073] p 377 A95-85889
Fatigue in operational settings: Examples from the aviation environment [HTN-95-B0074] p 377 A95-85890
Illness, drugs, fatigue and stress in the cockpit reported by pilots p 489 A95-95136
Blink rate as a measure of fatigue: A review [DOT/FAA/AM-94/17] p 21 N95-11683
Mental effects of caffeine in fatigued men and women [PB94-190683] p 157 N95-17300
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study [DOT/FAA/AM-95/12] p 354 N95-26204
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle [DOT/FAA/AM-95/19] p 456 N95-29261
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses [AD-A293448] p 493 N95-31373
FATTY ACIDS
Chemical autopoiesis: Self-replicating micelles and vesicles --- Abstract only p 124 A95-63846
Evolution of biosynthesis of hydrophobic amino acids --- Abstract only p 132 A95-63879
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle [HTN-95-A0105] p 196 A95-68888
Performance and metabolic effects of benzodiazepine during submaximal exercise [HTN-95-A0137] p 204 A95-68920
Free fatty acid metabolism in aerobically fit individuals [HTN-95-50863] p 236 A95-73053
Effect of carbohydrate ingestion on glucose kinetics during exercise [HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans [HTN-95-A0735] p 304 A95-75304
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4) [HTN-95-00446] p 331 A95-81963
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle [HTN-95-91899] p 339 A95-82001
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people [HTN-95-21556] p 364 A95-83341
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms [HTN-95-21575] p 369 A95-83360
Basal fat oxidation decreases with aging in women [HTN-95-21586] p 371 A95-83371
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans [HTN-95-21589] p 372 A95-83374

FAULT TOLERANCE
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
FAULTS
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041
FEASIBILITY ANALYSIS
Feasibility study of inflatable structures for a lunar base
[BTN-95-EIX95041503792] p 213 A95-69223
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
Long-range eye tracking: A feasibility study
[DE95-008587] p 393 N95-28176
FECES
An application and evaluation of a catalyst for waste management wet-oxidization process
p 396 A95-82510
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
FEED SYSTEMS
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399
FEEDBACK
A method for specifying observations in team training
p 505 A95-95157
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure
[AD-A285389] p 262 N95-20609
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700
FEEDBACK CONTROL
Identification of pilot dynamics including feedback structures p 454 A95-91580
Some criteria for teleoperators and virtual environments from experiences with vehicle/operator simulation
p 97 N95-14028
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
Designing the architecture of hierachical neural networks model attention, learning and goal-oriented behavior
[AD-A279898] p 264 N95-20562
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control
[AD-A293607] p 540 N95-34616
FEEDFORWARD CONTROL
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
FEET (ANATOMY)
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
FEMALES
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women
p 87 N95-15111
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
Aviation Epidemiology Data Register: Gender-specific attrition from the trained US Army aviator cohort of 1988
[AD-A284395] p 92 N95-15810
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300
Toxicity assessment of liquid propellant XM46
p 387 N95-28319
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794
G-protection capabilities and current G-protection issues p 538 N95-34060
FEMUR
Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats
[HTN-95-93122] p 486 A95-95623
FERMENTATION
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
Lunar base CELSS design and analysis
p 514 A95-93773
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
FERTILIZATION
Fertilization of sea urchin eggs in Space and subsequent development under normal conditions
[ISBN 0-08-042485-6] p 6 A95-60656
Xenopus laevis embryos can establish their spatial bilateral symmetrical body pattern without gravity
[ISBN 0-08-042485-6] p 8 A95-60662
In vivo fertilization and development in microgravity using pleurodele ('Zeus' project)
[ISBN 0-08-042485-6] p 9 A95-60667
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
FETUSES
A portable fetal heart monitor and its adaption to the detection of certain prenatal abnormalities
[NASA-CR-196430] p 16 N95-10024
Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
The avian embryo responding to microgravity of space flight p 43 N95-15104
FIBER COMPOSITES
Development and computer implementation of design/analysis techniques for multilayered composite structures. Probabilistic fiber composite micromechanics
[NASA-CR-198979] p 524 N95-31134
FIBER OPTICS
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
Two-fiber laser Doppler velocimetry in blood: Monte Carlo simulation in three dimensions
[BTN-94-EIX94421282949] p 348 A95-78959
Fiber-optic luminescence probes for biomedical studies
[HTN-95-61166] p 399 A95-86265
FIBERS
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
Changes in potassium contractures due to simulated weightlessness in rat soleus muscle
[HTN-95-50866] p 237 A95-73056
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
Inferences on passive diaphragm mechanics from gross anatomy
[HTN-95-50888] p 242 A95-73078
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
Differential response of macrophage subpopulations to soleus muscle reloading after rat hindlimb suspension
[HTN-95-A0612] p 275 A95-74313
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
Voluntary exercise decreases progression of muscular dystrophy in diaphragm of mdx mice
[HTN-95-A0647] p 284 A95-74348
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
Fatigue of rapid and slow onset in isolated perfused rat and mouse diaphragms
[HTN-95-A0674] p 290 A95-74375
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Relationship between MRI relaxation time and muscle fiber composition
[HTN-95-00410] p 322 A95-81927
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
Hypertropy and proliferation of skeletal muscle fibers from aged quail
[HTN-95-21590] p 372 A95-83375
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384
Crustaceans as a model for microgravity-induced muscle atrophy p 413 A95-87515
FIBRILLATION
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
FIBRINOGEN
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
FIBROBLASTS
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity
p 432 A95-87488
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361
FIBROSIS
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
FIELD OF VIEW
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
An incremental transfer study of scene detail and field of view effects on beginning flight training
p 504 A95-95152
Scene content, field of view and amount of training in first officer training p 505 A95-95155
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
Occupant reach and mobility apparatus
[AD-D016253] p 267 N95-22099
Wide field of view helmet display systems mounted for helicopter simulation
[AD-A293123] p 524 N95-30888
FIGHTER AIRCRAFT
Information presentation for expert systems in future fighter aircraft
[HTN-95-92291] p 397 A95-85335
Error in time management during fighting mission
p 496 A95-95074
Cockpit attention and task management: Situation awareness in the tactical fighter p 508 A95-95186

Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
Current Concepts on G-Protection Research and Development
[AGARD-LS-202] p 537 N95-34050
Selection and training of MiG-29 and future fighter pilots p 534 N95-34059

FIGURE OF MERIT
Flight performance measurement utilizing a figure of merit (FOM) p 509 A95-95191

FILMS
Solid matrix and liquid culture procedures for growth of potatoes p 482 A95-93815

FILTRATION
Improved filtration materials and modeling
[AD-A284684] p 180 N95-18531

FINGERS
Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist
[HTN-95-A0152] p 207 A95-68935
Cerebral hemodynamics during sensorimotor activation in humans
[HTN-95-70474] p 224 A95-71496
Neural mechanisms of kinesthesia p 96 N95-14018
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108

FINITE DIFFERENCE THEORY
Fluid flow and heat transfer in the crescent-shaped lumen catheter
[BTN-94-EIX94361122408] p 209 A95-65904

FINITE ELEMENT METHOD
Finite element analysis of a composite wheelchair wheel design
[NASA-TM-108463] p 22 N95-11195
Automated volumetric grid generation for finite element modeling of human hand joints
[DE95-009575] p 494 N95-32097

FIRE FIGHTING
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348

FIRES
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224

FISHES
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
Evolution of the early vertebrates
[HTN-95-92319] p 376 A95-85363
C.E.B.A.S. mini module: Test results of an artificial (man-made) aquatic ecosystem p 477 A95-93771
Postural control of fish related to gravity input p 44 N95-15118
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-28519

FITTING
Body dimensions for apparel
[PB94-187739] p 37 N95-11908

FIXED WINGS
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513

FLEXIBILITY
Design and structural analysis of highly mobile space suits and gloves
[BTN-95-EIX95182617479] p 313 A95-75750

FLEXIBLE BODIES
A sliding mode control for two-link flexible manipulator p 394 A95-82463
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329

FLEXIBLE SPACECRAFT
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397

FLEXORS
Skeletal muscle responses to unloading in humans p 150 N95-16743

FLICKER
Caffeine's influence on critical frequency thresholds
[AD-A282005] p 173 N95-17447
Space constancy on video display terminals
[AD-A280015] p 261 N95-20314

FLIGHT ALTITUDE
Head-up displays: Effect of information location on the processing of superimposed symbology p 517 A95-95048
Encoding altitude and rate information in cockpit displays of traffic information: Color my world p 518 A95-95051
Improving situation awareness displays for air traffic controllers p 520 A95-95088

FLIGHT CLOTHING
Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755
Current Concepts on G-Protection Research and Development
[AGARD-LS-202] p 537 N95-34050
G-protection basis/acceleration physiology p 538 N95-34051
Positive pressure breathing for G protection (PBG) p 538 N95-34055
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489

FLIGHT CONTROL
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Understanding the determinants of problem-solving behavior in a complex environment
[HTN-95-20753] p 390 A95-86643
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579
Identification of pilot dynamics including feedback structures p 454 A95-91580
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
Aviation spatial orientation in relationship to head position, attitude interpretation, and control
[AD-A281869] p 170 N95-16433
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139
Human piloting factors in the design of control laws for precision landing p 537 N95-33605

FLIGHT CREWS
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
Psychological challenges of manned spaceflight
[HTN-95-11448] p 354 A95-79426
Undetected neuropsychophysiological sequelae of khat chewing in standard aviation medical examination
[HTN-95-01210] p 444 A95-91442
Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912
Aircrew acceptance of automation in the cockpit
[CONGRESS PAPER C428-30-179] p 512 A95-93614
Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance p 516 A95-95039
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
Distributed problem solving by pilots and dispatchers p 495 A95-95065
A taxonomy of decision problems on the flight deck p 495 A95-95068
Determining the decision requirements of complex flight crew tasks p 495 A95-95069
Efficient decision strategies on the flight deck p 495 A95-95070
Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
Confusion on the flight deck p 496 A95-95077
Commercial flight crew selection for automated flight decks p 521 A95-95099
HOTT - a CRM course designed for the helicopter pilot p 499 A95-95108
The co-pilot: Pilot's 'mate' or pilot-in-the-making? a study of ambiguity and conflict in the cockpit p 499 A95-95109
Beyond reason: The non judgmental path of least resistance to graceful CRM p 499 A95-95110
The dynamics of CRM attitude change: Attitude stability p 500 A95-95113
Experiential learning in crew resource management p 500 A95-95114
Leadership-behavior in high-tech-cockpits (A 320) p 500 A95-95116
Self-analysis of LOFT as a strategy for learning CRM in undergraduate flight training p 500 A95-95117
Validating the impact of maintenance CRM training p 500 A95-95118
Whither CRM? Future directions in Crew Resource Management training in the cockpit and elsewhere p 500 A95-95120
Position-specific behaviors and their impact on crew performance: Implications for training p 501 A95-95121
Cross-cultural attitudes of flight crew regarding CRM p 501 A95-95123
Human factors in incident reporting p 522 A95-95124
The impact of automation on crew communication and performance p 501 A95-95125
Automation design and crew coordination p 522 A95-95126
Analysis of communication in the standard versus automated aircraft p 501 A95-95127
The future of LOFT scenario design and validation p 501 A95-95128
The role of LOFT in CRM integration p 502 A95-95129
CRM assessment and instructor knowledge structures p 502 A95-95130
On-board crew-rest facilities p 522 A95-95134
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
Human factors training for the new joint European (JAA) pilot licences p 504 A95-95151
The development of aircrew coordination behaviors p 505 A95-95156
Crew performance and communication: Performing a terrain navigation task p 506 A95-95169
Stabilization of performance on a computer-based version of the multiple task performance battery p 507 A95-95172
Measurement of taskload in the analysis of aircrew performance p 507 A95-95174
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
Measurement of flight crew performance for the advanced qualification program p 509 A95-95188
Flight performance measurement utilizing a figure of merit (FOM) p 509 A95-95191
Cockpit task management errors in critical in-flight incidents p 510 A95-95197
Data link air traffic control and flight deck environments: Experiment in flight crew performance p 510 A95-95202
Use of ASRS data in an arline Human Factors department p 523 A95-95205
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054

Standards relevant to a NATO anthropometry survey using 3D imaging tools
[AD-A283065] p 39 N95-13055
Preliminary analysis of Army aircrew requirements for Joint Surveillance Target Attack Radar System (JSTARS): Human performance requirements and job demands
[AD-A284917] p 104 N95-15759
Aerospace Medical Association 63rd Annual Scienti fic Meeting Program p 142 N95-16737
Human performance in the modern cockpit p 171 N95-16764
Crew decision making under stress p 171 N95-16765
Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
The EEG in the evaluation of applicants to aircrew members p 165 N95-19432
Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties p 166 N95-19435
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436
Sarcoidosis in US military aviators p 166 N95-19438
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442
Medication in the course of active flying duty p 168 N95-19443
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
Occupant reach and mobility apparatus
[AD-D016253] p 267 N95-22099
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
Aviation epidemiology data register
[AD-A279303] p 352 N95-24423
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940
Current issues in the measurement of military aircrew performance: A consideration of the relationship between available metrics and operational concerns
[AD-A292539] p 470 N95-28970
A comparison of the aeromedical administration requirements for US Air Forces and major allies
[AD-A290137] p 450 N95-29141
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365
Distance estimation training with night vision goggles under low illumination
[AD-A291338] p 472 N95-29943
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776

FLIGHT FATIGUE

Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649

FLIGHT FITNESS

Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties p 166 N95-19435
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
Sarcoidosis in US military aviators p 166 N95-19438
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators p 167 N95-19439
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442
Medication in the course of active flying duty p 168 N95-19443

FLIGHT HAZARDS

Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224

FLIGHT INSTRUMENTS

A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767

FLIGHT MANAGEMENT SYSTEMS

Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
On the use of the systems approach to certify advanced aviation technologies p 540 N95-34765
Certification of tactics and strategies in aviation p 541 N95-34768

FLIGHT NURSES

Flight nurse school in the Hellenic Air Force p 452 N95-29629

FLIGHT OPERATIONS

Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
Alertness management in two-person long-haul flight operations p 170 N95-16760
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307

FLIGHT PATHS

Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Identification of pilot dynamics including feedback structures p 454 A95-91580
Computer human interface design in tower air traffic control for aircraft flight data management p 521 A95-95095
Implications of object versus space based theories of attention in the design of the aircraft head-up display
[AD-A281791] p 22 N95-11326
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767

FLIGHT PLANS

An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
Distributed problem solving by pilots and dispatchers p 495 A95-95065
Taking risks and taking advice: The role of experience in airline pilot diversions p 496 A95-95071
Computer human interface design in tower air traffic control for aircraft flight data management p 521 A95-95095

FLIGHT SAFETY

Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
International Symposium on Aviation Psychology, 7th, Columbus, OH, April 26-29, 1993. Vols. 1 & 2
[HTN-95-52325] p 494 A95-95037
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
Confusion on the flight deck p 496 A95-95077
Cross-cultural perspectives in Human Factors training: The lessons from the ICAO Human Factors programme p 502 A95-95131
Teaching aviation safety: A new methodology p 504 A95-95150
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base p 509 A95-95195
Cockpit task management errors in a simulated flight operation p 509 A95-95196
Cockpit task management errors in critical in-flight incidents p 510 A95-95197
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
The NAMI syncope test battery and clinical decision-making in aviators with syncope p 164 N95-19428
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators p 167 N95-19439
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441
Medication in the course of active flying duty p 168 N95-19443
Helicopter crewseat cushion program
[AD-A286654] p 265 N95-20973
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489

FLIGHT SIMULATION

Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
The future of LOFT scenario design and validation p 501 A95-95128
Air traffic controller resource management p 506 A95-95167
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task p 508 A95-95179
Cockpit task management errors in a simulated flight operation p 509 A95-95196
Examination of the processes underlying multilevel efficacy-performance spirals: A flight simulation study
[AD-A282136] p 20 N95-11340
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Aviation spatial orientation in relationship to head position, attitude interpretation, and control
[AD-A281869] p 170 N95-16433
Crew decision making under stress p 171 N95-16765
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
Visual system operational evaluation
[AD-A289173] p 392 N95-27012

Wide field of view helmet display systems mounted for helicopter simulation
[AD-A293123] p 524 N95-30888
FLIGHT SIMULATORS
Effectiveness of PC-based flight simulation
[HTN-95-40886] p 259 A95-72263
Operator versus computer control of adaptive automation p 519 A95-95059
Imagery in aviation: Pilot training p 502 A95-95141
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148
An incremental transfer study of scene detail and field of view effects on beginning flight training p 504 A95-95152
Uses of part-task trainers in instrument flight training p 504 A95-95153
The integration of visual simulation in beginning flight training p 504 A95-95154
Scene content, field of view and amount of training in first officer training p 505 A95-95155
A PC-based system to enhance development of scenarios: Ascend (Analysis of Scenario Demands) system p 505 A95-95158
Eyestrain in virtual environments p 490 A95-95162
Simulator sickness implications for advanced training technologies p 490 A95-95163
Disorientation and postural disequilibrium from simulated flight p 490 A95-95164
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
Examination of the processes underlying multilevel efficacy-performance spirals: A flight simulation study
[AD-A282136] p 20 N95-11340
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
Dark focus of accommodation as dependent and independent variables in visual display technology p 154 N95-16758
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
Visual system operational evaluation
[AD-A289173] p 392 N95-27012
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
Contextual interference effects on acquisition and transfer of a complex motor task
[AD-A293788] p 512 N95-31583
FLIGHT STRESS (BIOLOGY)
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
Command history, 1993
[AD-A279775] p 256 N95-21989
FLIGHT SURGEONS
Remote medical systems for the human exploration of space
[AAS PAPER 91-321] p 458 A95-87472
Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854
Aeromedical risk management for aircrew p 161 N95-19414
The way to waivers in the BAF p 161 N95-19415
The effect of special boards of flight surgeons on the evolution of US Naval flight standards p 162 N95-19417
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
FLIGHT TESTS
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785
FLIGHT TIME
Pilot-candidate selection method: Sources of validity
[HTN-95-A0502] p 259 A95-72573
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649
FLIGHT TRAINING
Effectiveness of PC-based flight simulation
[HTN-95-40886] p 259 A95-72263
Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
Personality tests in an enhanced pilot selection model p 498 A95-95102
Self-analysis of LOFT as a strategy for learning CRM in undergraduate flight training p 500 A95-95117
LOS/LOFT debriefing skills and techniques p 500 A95-95119
Whither CRM? Future directions in Crew Resource Management training in the cockpit and elsewhere p 500 A95-95120
Position-specific behaviors and their impact on crew performance: Implications for training p 501 A95-95121
The future of LOFT scenario design and validation p 501 A95-95128
The role of LOFT in CRM integration p 502 A95-95129
CRM assessment and instructor knowledge structures p 502 A95-95130
Cross-cultural perspectives in Human Factors training: The lessons from the ICAO Human Factors programme p 502 A95-95131
Recognizing subtle physiological cues: Training to prevent pilot incapacitation p 489 A95-95138
High-altitude physiology training p 490 A95-95140
Windshear education in the aviation industry - an overview p 503 A95-95144
An incremental transfer study of scene detail and field of view effects on beginning flight training p 504 A95-95152
Uses of part-task trainers in instrument flight training p 504 A95-95153
The integration of visual simulation in beginning flight training p 504 A95-95154
Scene content, field of view and amount of training in first officer training p 505 A95-95155
The development of aircrew coordination behaviors p 505 A95-95156
A PC-based system to enhance development of scenarios: Ascend (Analysis of Scenario Demands) system p 505 A95-95158
Simulator sickness implications for advanced training technologies p 490 A95-95163
Air traffic controller resource management p 506 A95-95167
Measurement of flight crew performance for the advanced qualification program p 509 A95-95188
A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190
Computer-based psychomotor tests in optimal training track assignment of student naval aviators
[AD-A283720] p 175 N95-18414
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
Contextual interference effects on acquisition and transfer of a complex motor task
[AD-A293788] p 512 N95-31583
FLIR DETECTORS
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
FLOATING
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
FLOATING POINT ARITHMETIC
Implementation and performance of the pseudoknot problem in Sisal
[DE95-009573] p 487 N95-32358
FLOW DISTRIBUTION
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
FLOW GEOMETRY
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
FLOW MEASUREMENT
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333
A simple handheld push-button device for in situ calibration of pneumotachographs
[HTN-95-A0682] p 292 A95-74383
New advances in physiological measurements during high-G: Technology p 532 N95-34057
FLOW RESISTANCE
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
FLOW VELOCITY
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
FLOWMETERS
Evaluation of a symmetrically disposed Pitot tube flowmeter for measuring gas flow during exercise
[HTN-95-70458] p 220 A95-71480
FLUID DYNAMICS
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
A buoyancy-driven squeeze-film model of intrapleural fluid dynamics: Basic concepts
[HTN-95-A0733] p 304 A95-75302
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
The fluid content of the shell tissues of the human body under different experimental conditions p 437 A95-88564
Volume regulation in humans during weightlessness p 438 A95-88568
Cardiovascular system and its regulation in space flights p 439 A95-88577
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
FLUID FILMS
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
FLUID FILTERS
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
FLUID FLOW
Fluid flow and heat transfer in the crescent-shaped lumen catheter
[BTN-94-EIX94361122408] p 209 A95-65904
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818
FLUID MANAGEMENT
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400

FLUID MECHANICS
Formation and vesiculation of biomembranes during spaceflight
[ISBN 0-08-042485-6] p 4 A95-60645
Failure of hemoconcentration during standing to reveal plasma volume decline induced in the erect posture
[HTN-95-50886] p 241 A95-73076
Interaction of exogenous and endogenous surfactant: Spreading-rate effects
[HTN-95-91921] p 345 A95-82023
FLUIDIZED BED PROCESSORS
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
FLUORESCENCE
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
Fiber-optic luminescence probes for biomedical studies
[HTN-95-61166] p 399 A95-86265
Laser fluorescence spectroscopy of human skin in vivo: the effect of erythema
[BTN-94-EIX94441385677] p 531 A95-96595
Comparison of the rate constants for energy transfer in the light-harvesting protein, C-phycocyanin, calculated from Foerster's theory and experimentally measured by time-resolved fluorescence spectroscopy
[DE94-014961] p 306 N95-22590
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059
Automated integration of genomic physical mapping data via parallel simulated annealing
[DE95-008057] p 382 N95-27725
Energy transfer in real and artificial photosynthetic systems
[DE95-005824] p 382 N95-27948
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
FLUX
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
FLYING PERSONNEL
On-board crew-rest facilities p 522 A95-95134
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
AMDRS: A resource for intelligent aeromedical decision-making p 162 N95-19419
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
FOLDING
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
FOOD INTAKE
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848
The relationship between space sickness and preflight diet p 88 N95-15122
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
FOOD PRODUCTION (IN SPACE)
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system p 396 A95-82508
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
Biological life support for manned missions by ESA p 513 A95-93768
Approaches to resource recovery in controlled ecological life support systems p 514 A95-93774
Regenerative life support systems - why do we need them? p 516 A95-93812
Integrated developmental model of life-support capabilities in wheat
[NASA-CR-196428] p 14 N95-11218
Growth of potatoes for CELSS
[NASA-CR-177646] p 37 N95-11949
Techniques for optimal crop selection in a controlled ecological life support system p 37 N95-11962
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
FORCE
Manual discrimination of force p 102 N95-14057
FORCE DISTRIBUTION
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
FOREARM
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
(31)P-NMR spectroscopy, rsEMG, and histochemical fiber types of human wrist flexor muscles
[HTN-95-60033] p 68 A95-62141
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534
Forearm compression during exercise increases sympathetic nerve traffic
[HTN-95-70468] p 222 A95-71490
Contribution of postassium to exercise-induced vasodilation in humans
[HTN-95-70482] p 226 A95-71504
Maximal skin blood flow is decreased in elderly men
[HTN-95-A0586] p 269 A95-74287
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270
FORECASTING
Prediction of solar particle events for exploration class missions p 349 A95-81436
Predicting aircraft pilot-training success: A meta-analysis of published research
[HTN-95-92289] p 388 A95-85333
FORMALDEHYDE
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst — Abstract only p 110 A95-63777
Prebiotic synthesis of pentaerythritol from formaldehyde investigation of the mechanism — Abstract only p 110 A95-63778
Earth's early atmosphere: How reducing was it? — Abstract only p 126 A95-63856
Thermodynamics of Strecker synthesis in hydrothermal systems — Abstract only p 134 A95-63888
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Possible evidence of hydrocarbons released by the nucleus of Halley's comet p 190 A95-66759
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802
FORMALISM
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
FORMAT
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control p 521 A95-95094
FORMIC ACID
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis
[HTN-95-01238] p 428 A95-91470
FOSSILS
New evidence of the antiquity of life — Abstract only p 126 A95-63855
Life in Isua times? A frontier revisited — Abstract only p 127 A95-63857
Chroococcidiopsis, the most primitive living cyanobacterium? — Abstract only p 127 A95-63858
Nitrogen isotopic composition of organic matter: Chemical fossils in Precambrian cherts — Abstract only p 127 A95-63861
Taxonomy and philogeny: Palaeomycology — Abstract only p 130 A95-63873
Silica biomorphs: An alternative explanation of some putative Precambrian microfossils — Abstract only p 131 A95-63875
Evolution of the early vertebrates
[HTN-95-92319] p 376 A95-85363
Molecular relics from chemical evolution and the origin of life
[DE94-628493] p 308 N95-23060
FOULING
Performance of high-recovery recycling reverse osmosis with wash water
[SAE PAPER 932073] p 468 A95-91651
FOURIER ANALYSIS
Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
FOURIER TRANSFORMATION
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
FRACTALS
Effects of pulmonary blood flow on the fractal nature of flow heterogeneity in sheep lungs
[HTN-95-A0724] p 302 A95-75293
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932
Fractal analysis of surfactant deposition in rabbit lungs
[HTN-95-00418] p 324 A95-81935
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait
[HTN-95-21598] p 374 A95-83383
Characterization of microgravity effects on bone structure and strength using fractal analysis p 531 N95-32419
FRACTIONATION
The origin and early evolution of the atmospheres of the inner planets — Abstract only p 182 A95-63752
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Clean fractionation of biomass
[DE95-000259] p 345 N95-24307
FRACTURE MECHANICS
The use of acoustic emission in orthopedics p 16 N95-10243
FRACTURE STRENGTH
Characterization of fracture toughness of renal calculi using a microindentation technique
[BTN-94-EIX94361122293] p 209 A95-65873
FRAGMENTATION
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
FRAGMENTS
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
Automated integration of genomic physical mapping data via parallel simulated annealing
[DE95-008057] p 382 N95-27725

FREE ENERGY
On the absolute meaning of the energy scale approximately kT in the thermal interference involved in enzyme-coupled reactions
[HTN-95-92207] p 375 A95-84063
FREE RADICALS
Dimethyl sulfoxide depresses skeletal muscle contractility
[HTN-95-70083] p 78 A95-62525
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood
[HTN-95-A0109] p 197 A95-68892
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
N-acetylcysteine depresses contractile function and inhibits fatigue of diaphragm in vitro
[HTN-95-A0616] p 276 A95-74317
FREEZE DRYING
Evaluation of dried storage of platelets for transfusion: Physiologic integrity and hemostatic functionality
[AD-A286078] p 253 N95-20850
FREEZING
The effects of freezing on selected European and Asian foods prepared for International Space Missions p 396 A95-82610
FREQUENCIES
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 388 A95-84375
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421
FREQUENCY RANGES
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561
FREQUENCY RESPONSE
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139
FROGS
Early development of Xenopus embryos is affected by simulated gravity
[ISBN 0-08-042485-6] p 7 A95-60661
Xenopus laevis embryos can establish their spatial bilateral symmetrical body pattern without gravity
[ISBN 0-08-042485-6] p 8 A95-60662
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
FRUITS
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257
FRUSTRATION
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998
FULL SCALE TESTS
European EVA space suit: Full scale evaluations and analysis for the lower torso conceptual design
[SAE PAPER 932099] p 460 A95-90343
FUNCTIONAL DESIGN SPECIFICATIONS
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044
Development of Advanced Robotic Hand System for space application p 314 N95-23704
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
FUNGI
Fungi in space - Literature survey on fungi used for space research
[HTN-95-80093] p 105 A95-63479
Taxonomy and philogeny: Palaeomycology --- Abstract only p 130 A95-63873
Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614
An introduction to gravity perception in plants and fungi -- a multiplicity of mechanisms p 409 A95-87493
Graviresponses in fungi p 409 A95-87494
Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus p 409 A95-87495
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
Gravimorphogenesis and ultrastructure of the fungus Flammulina velutipes grown in space, on clinostats and under hyper-G conditions p 412 A95-87512
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions p 481 A95-93805
Microbiological characterization of a regenerative life support system p 515 A95-93808
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth
[AD-A288345] p 379 N95-26573
FUNGICIDES
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth
[AD-A288345] p 379 N95-26573
FUSION
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity p 432 A95-87488
FUZZY SYSTEMS
Fuzzy clustering of facial form for prototyping environmental protection equipment
[DE94-014657] p 267 N95-22466
Proceedings of the 33d SICE (the Society of Instrument and Control Engineers) Annual Conference, part 1
[DE95-758947] p 430 N95-28947

G

GALACTIC COSMIC RAYS
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
Radiation environment during the long space mission (Mars) due to galactic cosmic rays p 349 A95-81432
HZE reactions and data-base development p 350 A95-81444
Relating space radiation environments to risk estimates p 321 A95-81446
The relative biological effectiveness of attenuated protons p 321 A95-81449
Radiation health for a Mars mission p 383 A95-82602
GAMETOCYTES
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911
GAMMA RAYS
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions --- Abstract only p 111 A95-63782
Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs
[HTN-95-70478] p 225 A95-71500
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
GANGLIA
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity
[HTN-95-A0600] p 272 A95-74301
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
GAS ANALYSIS
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227
GAS CHROMATOGRAPHY
Search for life on Mars: Evaluation of techniques p 216 A95-66776
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
GAS COMPOSITION
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
GAS DETECTORS
Oxygen sensor development for life support
[BTN-95-EIX95042477107] p 213 A95-68352
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227
GAS DISCHARGES
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
GAS DYNAMICS
Ventilation and carbon dioxide exchange in exercising horses: Effect of inspired oxygen fraction
[HTN-95-91908] p 341 A95-82010
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
GAS EXCHANGE
Theoretical basis for time 0 correction in the rebreathing analysis
[HTN-95-10068] p 50 A95-61919
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Distribution function of transit times in the human pulmonary circulation
[HTN-95-10133] p 66 A95-61984
L-(+)-lactate infusion into working dog gastrocnemius: No evidence lactate per se mediates V(O2) slow component
[HTN-95-60039] p 69 A95-62147
Analyzing (13)NN lung washout curves in the presence of intraregional nonuniformities
[HTN-95-60059] p 74 A95-62167
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
Evaluation of a symmetrically disposed Pitot tube flowmeter for measuring gas flow during exercise
[HTN-95-70458] p 220 A95-71480
Altered mechanical properties of lung parenchyma in postobstructive pulmonary vasculopathy
[HTN-95-70484] p 226 A95-71506
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing
[HTN-95-70486] p 227 A95-71508
Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00428] p 326 A95-81945
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980

Intra-airway CO2 distribution during airway insufflation in ventilatory failure
[HTN-95-91895] p 338 A95-81997
Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction
[HTN-95-91909] p 342 A95-82011
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system
[SAE PAPER 932062] p 466 A95-91641
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
Intramyocardial blood volume and oxygen exchange
[PB95-108015] p 256 N95-21580
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885

GAS EXPANSION

A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885

GAS MIXTURES

Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728

GAS PRESSURE

Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384

GAS TRANSPORT

Oxygen transport to tissue by persistent bubbles: Theory and simulations
[HTN-95-70493] p 228 A95-71515
One-dimensional simulation of aerosol transport and deposition in the human lung
[HTN-95-70494] p 228 A95-71516
Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
Intra-airway CO2 distribution during airway insufflation in ventilatory failure
[HTN-95-91895] p 338 A95-81997
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003

GASEOUS DIFFUSION

Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
Methods for measurement and control of leakage in CELSS and their application and performance in the biosphere 2 facility p 515 A95-93802
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885

GASTROINTESTINAL SYSTEM

Effect of antiorthostatic BedRest (BR) on GastroIntestinal Motility (GIM) of normal subjects p 153 N95-16753

GELS

Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

GENE EXPRESSION

Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
Early gene duplication and the origin of biochemical regulation — Abstract only p 133 A95-63882
Myosin isoforms in mammalian skeletal muscle
[HTN-95-A0102] p 195 A95-68885
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides
[HTN-95-A0476] p 230 A95-72547
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Dynamic mutations
[HTN-95-00506] p 375 A95-83386
The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
Toxicity assessment of liquid propellant XM46 p 387 N95-28319
Toxin-mediated transfer and expression of genes in nerve cells
[AD-A290501] p 531 N95-33200

GENERAL AVIATION AIRCRAFT

The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
The options of pilots flying automated corporate aircraft with regard to their perceived workload p 507 A95-95173
Development of electrophysiological measures of GA pilot workload p 507 A95-95178

GENERAL OVERVIEWS

Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863

GENES

Pair-rule expression patterns of even-skipped are found in both short- and long-germ beetles
[BTN-94-EIX94401310327] p 305 A95-76502
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins p 442 A95-88599
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
Third international congress of plant molecular biology: Molecular biology of plant growth and development
[DE95-006482] p 383 N95-28496
Toxin-mediated transfer and expression of genes in nerve cells
[AD-A290501] p 531 N95-33200

GENETIC CODE

ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993 — Abstracts only
[HTN-95-40049] p 105 A95-63744
Approaches to the selection of an RNA replicase — Abstract only p 113 A95-63792
Origin of primitive translating systems — Abstract only p 114 A95-63798
An information 'worm hole' between 20 amino acids and 64 triplets is dug through the decimal and quarternary systems — Abstract only p 117 A95-63812
Poly-tRNA theory on the origin of mRNA and genetic codes — Abstract only p 117 A95-63813
Three stages during the evolution of the genetic code — Abstract only p 118 A95-63817
A model for the prebiotic synthesis of proteins — Abstract only p 118 A95-63819
The origin of the genetic code: An approach on the base of the progene hypothesis — Abstract only p 120 A95-63826
Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin — Abstract only p 120 A95-63827
Correlations between structural and chemical properties of amino acids and their place in the genetic code table — Abstract only p 120 A95-63828
The reverse genetic code and the central dogma of molecular biology — Abstract only p 120 A95-63829
Amino-acyl-t-RNA synthetases and the evolution of the genetic code — Abstract only p 121 A95-63831
Phylogeny of proton pumping ATPases: Implication for the early evolution of life — Abstract only p 124 A95-63845
Evidence that the protocell was also a protoneuron — Abstract only p 126 A95-63854
Evolution of the genetic code — Abstract only p 139 A95-63921
The phylogeny of tRNA molecules and the origin of the genetic code
[HTN-95-10289] p 140 A95-64051
A hypothesis: Reciprocal information transfer between oligonbonucleotides and oligopeptides in prebiotic molecular evolution
[HTN-95-10294] p 141 A95-64056
Direct interaction between amino acids and nucleotides as a possible physicochemical basis for the origin of the genetic code p 194 A95-66800
The RNA-world and co-evolution hypothesis and the origin of life: Implications, research strategies and perspectives
[HTN-95-A0482] p 231 A95-72553
The evolutionary change of the genetic code as restricted by the anticodon and identity of transfer RNA
[HTN-95-A0483] p 231 A95-72554
RNA based evolutionary optimization
[HTN-95-A0485] p 231 A95-72556
On concerned origin of transfer RNAs with complementary anticodons
[HTN-95-A0486] p 232 A95-72557
Dynamic mutations
[HTN-95-00506] p 375 A95-83386
Speculations on the evolution of the genetic code IV the evolution of the aminoacyl-tRNA synthetases p 423 A95-88746
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913

GENETIC ENGINEERING

How nature builds the pigments of life: the conquest of vitamin B-12
[BTN-94-EIX94431375202] p 436 A95-88153
Proceedings of Natural Sciences Symposium
[AD-A285452] p 208 N95-19536
Genetics and the unity of biology
[DE95-006484] p 431 N95-29471

GENETICS

Chemistry of potentially prebiological natural products
[HTN-95-10288] p 140 A95-64050
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight p 415 A95-87523
Peptidase-1 expression in some organs of the salamander Pleurodeles waltl submitted to a 12-day space flight p 415 A95-87524
Some genetic aspects of adaptation to hyperdynamic environments p 86 N95-15100
Structure of avian tectorial, otolithic and cupular membranes p 44 N95-15117
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066
Cellular responses to environmental DNA damage
[DE94-015606] p 249 N95-22397
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383
Comparative Transduction Mechanisms of Vestibular Otolith Hair Cells
[NASA-CR-197980] p 379 N95-26727
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 1: Responses to intracellular current p 380 N95-26731
Toxicity assessment of liquid propellant XM46 p 387 N95-28319
Genetics and the unity of biology
[DE95-006484] p 431 N95-29471

GEOCHEMISTRY

The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
Evidence and conditions for synthesis of organic compounds in hydrothermal systems — Abstract only p 139 A95-63919

A physical and chemical characterization of Martian permafrost as a possible habitat for viable microorganisms p 216 A95-66782
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars p 217 A95-66787
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736

GERMANY
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376

GERMINATION
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821

GESTALT THEORY
The hidden messages or a gestalt view of pilot training p 503 A95-95143

GIOTTO MISSION
Polymers and other macromolecules in comets -- A possible relationship to the origins of life --- Abstract only p 182 A95-63751
Prebiotic molecules in comets --- Abstract only p 183 A95-63756

GLACIOLOGY
Time, ice and terraforming
[HTN-95-60881] p 358 A95-78861

GLARE
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176

GLIDE PATHS
Human piloting factors in the design of control laws for precision landing p 537 N95-33605

GLOBULINS
How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501

GLOTTIS
Coordination between respiration and swallowing: Respiratory phase relationships and temporal integration
[HTN-95-60048] p 71 A95-62156
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015

GLOVES
Design and structural analysis of highly mobile space suits and gloves
[BTN-95-EIX95182617479] p 313 A95-75750
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099

GLUCOSE
Increased dependence on blood glucose in smokers during rest and sustained exercise
[HTN-95-10054] p 46 A95-61905
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
Suitability of 2-deoxyglucose for in vitro measurement of glucose transport activity in skeletal muscle
[HTN-95-60045] p 70 A95-62153
Endurance training fails to inhibit skeletal muscle glucose uptake during exercise
[HTN-95-70074] p 75 A95-62516
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats
[HTN-95-A0107] p 197 A95-68890
Effect of glucose infusion on endurance performance after beta adrenoceptor blocker administration
[HTN-95-A0119] p 200 A95-68902
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin
[AD-A290439] p 487 N95-30452

GLUCOSIDES
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531

GLUTAMATES
Retrotrapezoid nucleus glutamate injections: Long-term stimulation of phrenic activity
[HTN-95-60050] p 72 A95-62158
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
Rat retrotrapezoid nucleus iono- and metabotropic glutamate receptors and the control of breathing
[HTN-95-21573] p 368 A95-83358

GLUTAMIC ACID
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis
[HTN-95-01238] p 428 A95-91470

GLUTATHIONE
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291

GLYCEROLS
Phosphorylation of glyceric acid --- Abstract only p 112 A95-63786
Isopranylglycerol diethers in non-alkaline recent and miocene evaporitic environments --- Abstract only p 138 A95-63913

GLYCINE
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions --- Abstract only p 109 A95-63768
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The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734

GLYCOGENS
Effects of exercise and glycogen depletion on glyconeogenesis in muscle
[HTN-95-10083] p 53 A95-61934
Effect of endurance training on activators of glycolysis in muscle during exercise
[HTN-95-60042] p 70 A95-62150
Early alterations in soleus GLUT-4, glucose transport, and glycogen in voluntary running rats
[HTN-95-70073] p 75 A95-62515
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377

GLYCOLS
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267

GLYCOLYSIS
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
Effects of exercise and glycogen depletion on glyconeogenesis in muscle
[HTN-95-10083] p 53 A95-61934
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
Effect of endurance training on activators of glycolysis in muscle during exercise
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Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
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Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989

GOAL THEORY
A framework for the analysis of cognitive tasks
[AD-A285345] p 172 N95-16835

GOALS
Mail pilots and mischief: Meeting goals and violating rules p 510 A95-95200

GOGGLES
Psychophysical foundations of a model of amplified night vision in target detection tasks
[HTN-95-B0066] p 389 A95-85882
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight p 494 A95-95047

Distance estimation training with night vision goggles: A preliminary study
[AD-A284900] p 104 N95-15755
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
An image quality analysis of ANVIS-6 night vision goggles
[AD-A289398] p 401 N95-26883
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390
Distance estimation training with night vision goggles under low illumination
[AD-A291338] p 472 N95-29943
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475

GRAFTING

Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343

GRANULAR MATERIALS

Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399

GRAPHICAL USER INTERFACE

Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427

GRAPHITE

Biochemical markers in Precambrian sediments - Indian subcontinent — Abstract only p 128 A95-63863

GRAPHITIZATION

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GRAPHS (CHARTS)

A componential model of human interaction with graphs: 1. Linear regression modeling
[HTN-95-B0065] p 389 A95-85881
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083

GRASSES

The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383

GRAVIRECEPTORS

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Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090
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Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756
Physiological and genetic characterization of plant growth and gravitropism in LED light sources p 143 N95-18173
Geometry and gravity influences on strength capability
[NASA-TP-3511] p 180 N95-18189
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-197367] p 246 N95-20559
Plant metabolism and cell wall formation in space (microgravity) and on Earth
[NASA-CR-197618] p 306 N95-22801
Living in space
[NASA-TM-110536] p 314 N95-23274
Life sciences program
[NASA-CR-197658] p 432 N95-30292
Characterization of microgravity effects on bone structure and strength using fractal analysis p 531 N95-32419
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[AD-A290443] p 471 N95-29359

GRAVITATIONAL PHYSIOLOGY

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Lung volumes during sustained microgravity on Spacelab SLS-1
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The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
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Effects of increased +G(sub z) on chest wall mechanics in humans
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Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats
[HTN-95-91917] p 344 A95-82019
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
Postural control of fish related to gravity input p 361 A95-82605
Hormonal changes on rat under the hypergravity exposure p 362 A95-82609
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster p 363 A95-82612
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
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A theory of gravikinesis in Paramecium p 408 A95-87487
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity p 432 A95-87488
Cellular responses to endogenous electrochemical gradients in morphological development p 408 A95-87489
Possible mechanisms of plant cell wall changes at microgravity p 408 A95-87490
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions p 408 A95-87491
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles p 409 A95-87492
An introduction to gravity perception in plants and fungi -- a multiplicity of mechanisms p 409 A95-87493
Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus p 409 A95-87495
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
Action of gravireceptors: Lability hypothesis and model p 410 A95-87498
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
Energetic metabolism response in algae and higher plant species from simulation experiments with the clinostat p 410 A95-87500
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids p 410 A95-87501
The role of signal systems in cell gravisensitivity p 411 A95-87502
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Studies of the interaction of gravity with biological membranes using alamethicin doped planar lipid bilayers as a model system p 411 A95-87506
Liposome formation in microgravity p 412 A95-87507
Physico-chemical characteristics of biomembranes and cell gravisensitivity p 412 A95-87508
The theoretical consideration of microgravity effects on a cell p 412 A95-87509
Free and membrane-bound calcium in microgravity and microgravity effects at the membrane level p 412 A95-87510
State of erythrocyte membrane in man and monkeys after space flight p 432 A95-87511
Gravimorphogenesis and ultrastructure of the fungus Flammulina velutipes grown in space, on clinostats and under hyper-G conditions p 412 A95-87512
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514
Crustaceans as a model for microgravity-induced muscle atrophy p 413 A95-87515
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
AstroNewt: Early development of newt in space p 414 A95-87521
The Pleurodele, an animal model for space biology studies p 414 A95-87522
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
Critical issues for space life sciences p 436 A95-88559
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
Comparison of space adaptation and vestibular compensation p 436 A95-88561
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment p 437 A95-88562
Duration versus response to space-flight exposure p 437 A95-88563
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v p 416 A95-88570
Validation of the otolith asymmetry hypothesis as a cause of space motion sickness p 438 A95-88572
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
Countermeasure development to space adaptation p 439 A95-88578
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys p 417 A95-88580
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
Sweating response to simulated weightlessness p 441 A95-88585
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla p 418 A95-88591
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess p 418 A95-88592
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess p 418 A95-88592
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat p 418 A95-88593
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats p 418 A95-88594
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
Lymphocyte experiment on SLS-1 p 442 A95-88596
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins p 442 A95-88599
Protein requirements for long term missions p 488 A95-93778
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-196385] p 13 N95-10337
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090

Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229 [NASA-CR-197041] p 42 N95-14796
The Physiologist, volume 36, number 1, supplement p 85 N95-15089
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Will man need the vestibular system in generations to come? p 86 N95-15092
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Some genetic aspects of adaptation to hyperdynamic environments p 86 N95-15100
Changing gravity level and the development of animals p 43 N95-15101
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
Are otoconia dynamic in birds and mammals? p 43 N95-15103
The avian embryo responding to microgravity of space flight p 43 N95-15104
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
Space flight and humoral and cellular immunity of animals p 44 N95-15113
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
Postural control of fish related to gravity input p 44 N95-15118
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
The relationship between space sickness and preflight diet p 88 N95-15122
Manipulating the arterial pressure to prevent G-LOC p 88 N95-15123
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity p 90 N95-15138
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
Influence to organs by ten weeks tail suspension p 45 N95-15142
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
Centrifuges in gravitational physiology research p 91 N95-15147
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation [AD-A280897] p 146 N95-16151
Aerospace Medical Association 63rd Annual Scientific Meeting Program p 142 N95-16737
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Effect of antiorthostatic BedRest (BR) on GastroIntestinal Motility (GIM) of normal subjects p 153 N95-16753
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Space medicine research: Needs for the 21st century p 154 N95-16768
Effects of weightlessness on human baroreflex function p 154 N95-16770
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Artificial gravity: How much, how often, how long? p 178 N95-16778
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Cumulative effects of repeated brief cerebral ischemia [AD-A284234] p 210 N95-19698
Modeling platform dynamics and physiological response to short arm centrifugation [AD-A279640] p 252 N95-20457
Monoclonal antibodies directed against surface molecules of multicell spheroids [NASA-CR-197367] p 246 N95-20559
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261 [NASA-CR-188368] p 449 N95-28875
Life sciences program [NASA-CR-197658] p 432 N95-30292
Effects of gravity and light on plant growth and performance in normal and reduced gravity p 529 N95-32901
Current Concepts on G-Protection Research and Development [AGARD-LS-202] p 537 N95-34050
G-protection basis/acceleration physiology p 538 N95-34051
Negative to positive Gz acceleration transition p 532 N95-34052
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058

GRAVITROPISM

Transduction of the gravity stimulus in the root statocyte [ISBN 0-08-042485-6] p 2 A95-60634
Gravitational response of the slime mold Physarum [ISBN 0-08-042485-6] p 2 A95-60635
Protozoa as model systems for the study of cellular responses to altered gravity conditions [ISBN 0-08-042485-6] p 2 A95-60637
Cell biology of plant gravity sensing [ISBN 0-08-042485-6] p 4 A95-60646
Mechanical analysis of statolith action in roots and rhizoids [ISBN 0-08-042485-6] p 5 A95-60647
Correlations between changes in electrical parameters and changes in cell elongation rates in gravistimulated roots [ISBN 0-08-042485-6] p 5 A95-60648
Oscillations of axial plant organs [ISBN 0-08-042485-6] p 5 A95-60651
Physiological, biochemical and molecular processes associated with gravitropism in roots of maize [ISBN 0-08-042485-6] p 10 A95-60671
Vegetative growth of higher plants on a three-dimensional clinostat [HTN-95-90031] p 41 A95-62822
Cellular responses to endogenous electrochemical gradients in morphological development p 408 A95-87489
An introduction to gravity perception in plants and fungi -- a multiplicity of mechanisms p 409 A95-87493
Graviresponses in fungi p 409 A95-87494
Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus p 409 A95-87495
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
Action of gravireceptors: Lability hypothesis and model p 410 A95-87498
Gravimorphogenesis and ultrastructure of the fungus Flammulina velutipes grown in space, on clinostats and under hyper-G conditions p 412 A95-87512
Physiological and genetic characterization of plant growth and gravitropism in LED light sources p 143 N95-18173
Effects of gravity and light on plant growth and performance in normal and reduced gravity p 529 N95-32901

GREENHOUSE EFFECT

Impact melting of a frozen ocean on the early Earth and the implications for the origin of life — Abstract only p 184 A95-63860

GREENHOUSES

'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects p 481 A95-93804

GRID GENERATION (MATHEMATICS)

Automated volumetric grid generation for finite element modeling of human hand joints [DE95-009575] p 494 N95-32097

GROUND CREWS

An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
Distributed problem solving by pilots and dispatchers p 495 A95-95065

GROUND PENETRATING RADAR

Developments in ground-penetrating radar at LLNL [DE94-012236] p 95 N95-13671

GROUND SPEED

Use of optical edge and optical flow rate: Information in the perception and control of ground velocity p 497 A95-95079

GROUND STATIONS

Space robot telemanipulation experiment using predictive display p 394 A95-82465

GROUND SUPPORT SYSTEMS

SPE(R)-OBOGS: On-board oxygen generating system p 472 N95-30267

GROUND TESTS

Preliminary test results from the CELSS Test Facility Engineering Development Unit [SAE PAPER 941542] p 458 A95-89092

Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Centrifuges in gravitational physiology research p 91 N95-15147

GROUND-AIR-GROUND COMMUNICATION
The influence of air traffic control message length and timing on pilot communication p 520 A95-95087

GROUP DYNAMICS
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40685] p 259 A95-72262
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
Interpersonal relations during simulated space missions
[HTN-95-12201] p 455 A95-91901
Aviation psychology, group dynamics and human performance issues in anesthesiology p 499 A95-95111
The dynamics of CRM attitude change: Attitude stability p 500 A95-95113
Validating the impact of maintenance CRM training p 500 A95-95118
A method for specifying observations in team training p 505 A95-95157
Effective team performance under stress and normal conditions: An experimental paradigm, theory and data for studying team decision making in hierarchical teams with distributed expertise
[AD-A284683] p 175 N95-18530
Analysis of group performance in visual signal detection
[AD-A289561] p 391 N95-26683

GROWTH
Differential flank growth
[ISBN 0-08-042485-6] p 5 A95-60649
Basic assumptions and comparison of three gravitropic response models
[ISBN 0-08-042485-6] p 5 A95-60650
Competition in the chemostat: Global asymptotic behavior of a model with delayed response in growth
[BTN-94-EIX94341340323] p 27 A95-60859
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529
Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343
Hypertropy and proliferation of skeletal muscle fibers from aged quail
[HTN-95-21590] p 372 A95-83375
Action of gravireceptors: Lability hypothesis and model p 410 A95-87498
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102

GRUMMAN AIRCRAFT
Activities of the Institute for the Study of Human Capabilities
[AD-A286471] p 267 N95-22275

GUANIDINES
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384

GUANINES
Purines: Their role in biopoiesis, biological evolution and oncogenesis --- Abstract only p 133 A95-63884

GUANOSINES
Template-directed reactions: Kinetic and mechanistic analysis --- Abstract only p 115 A95-63803
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC --- Abstract only p 116 A95-63808

H

H-INFINITY CONTROL
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579

HABITABILITY
Environmental control and life support system selection for the first Lunar outpost habitat
[SAE PAPER 932065] p 467 A95-91643
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932088] p 469 A95-91662
The individual integral space habitation: Preliminary sketch design of an individual tensile space habitation, situated within a large-scale centralised tensile lattice structured pneumatic enclosure, in microgravitational space p 23 N95-11601
Concordia Station p 23 N95-11602
Habitability of Australian Antarctic stations p 24 N95-11603
Architectural concept of Antarctic station of a new generation p 24 N95-11604
Interior design for international teams serving long term in an extreme environment: A problem statement p 24 N95-11609
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615
Habitat for short duration lunar mission p 25 N95-11616

HABITATS
Nonequilibrium determinants of biological community structure
[HTN-95-11904] p 378 A95-85985
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932088] p 469 A95-91662
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818

HABITUATION (LEARNING)
Behaviorism, cognitivism and the neuropsychology of memory
[HTN-95-42102] p 388 A95-83868
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902

HAIR
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
Are otoconia dynamic in birds and mammals? p 43 N95-15103
Neuronal types in the chicken's statoacoustic ganglion p 44 N95-15116
Comparative Transduction Mechanisms of Vestibular Otolith Hair Cells
[NASA-CR-197980] p 379 N95-26727
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity p 380 N95-26729
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 1: Responses to intracellular current p 380 N95-26731
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 2: Sensitivity and response dynamics to hair bundle displacement p 381 N95-26732

HALF LIFE
The prebiotic role of adenine: A critical analysis --- Abstract only p 111 A95-63784

HALITES
Isopranylglycerol diethers in non-alkaline recent and miocene evaporitic environments --- Abstract only p 138 A95-63913

HALLEY'S COMET
Delivery of interstellar prebiotic organics to the earth by comets --- Abstract only p 106 A95-63748
The organic and mineral inventory of comets and the possible role in early biological activities: A summary of the mass spectrometric studies of comet p/Halley --- Abstract only p 182 A95-63750
Polymers and other macromolecules in comets -- A possible relationship to the origins of life --- Abstract only p 182 A95-63751
Prebiotic molecules in comets --- Abstract only p 183 A95-63756
CoMA a high resolution TOF-SIMS for in-situ analysis of cometary matter --- Abstract only p 109 A95-63772
Mass-spectrometric in situ studies of cometary organics for p/Halley and options for the future p 190 A95-66758
Possible evidence of hydrocarbons released by the nucleus of Halley's comet p 190 A95-66759

HALOCARBONS
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485

HALOPHILES
Conformation of membrane proteins: Bacteriorhodopsin
[AD-A281282] p 30 N95-13373

HAMILTONIAN FUNCTIONS
DNA solution of hard computational problems
[BTN-95-EIX95292725315] p 475 A95-92688
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963

HAMMERS
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739

HAMSTERS
Control of circadian behavior by transplanted suprachiasmatic nuclei
[AD-A285233] p 142 N95-16599
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801

HAND (ANATOMY)
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
Manual discrimination of force p 102 N95-14057
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation p 176 N95-15984

HANDEDNESS
Electroweak enantioselection and the origin of life p 422 A95-88739
Effect of a chiral impulse on the weak interaction induced handedness in a prebiotic medium p 422 A95-88740

HARDNESS TESTS
Characterization of fracture toughness of renal calculi using a microindentation technique
[BTN-94-EIX94361122293] p 209 A95-65873

HARMONIC OSCILLATORS
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963

HARNESSES
Releaseable unconstrained inflatable body protector
[AD-D017350] p 524 N95-30552

HAZARDS
Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971
Health hazards assessment for blast overpressure exposures
[AD-A283352] p 158 N95-17998
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577

HEAD (ANATOMY)
Tactile stimulation of the human head for information display
[HTN-95-20756] p 390 A95-86646
Head cooling in hyperthermia
[HTN-95-93129] p 491 A95-95630
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360

HEAD DOWN TILT
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540

Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats
[HTN-95-50887] p 242 A95-73077
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
Protein accumulation in cerebrospinal fluid during -90 deg head-down tilt in rabbit
[HTN-95-A0685] p 292 A95-75254
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys p 417 A95-88580
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782

HEAD MOVEMENT

Difficultie of target motion perception in space p 439 A95-88576
Head perturbations during walking while viewing a head-fixed target
[HTN-95-01208] p 466 A95-91440
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
Coordinated action in 3-D space
[AD-A281284] p 35 N95-13375
Destabilizing effects of visual environment motions simulating eye movements or head movements p 103 N95-14061
Dynamics of the G-excess illusion p 155 N95-16771
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046

HEAD-UP DISPLAYS

Designing instructional simulations: Effects of instructional control and type of training task on developing display-interpretaion skills
[HTN-95-40882] p 259 A95-72259
Failure indications on a head-up display p 517 A95-95045
Attentional limitations with Head-Up Displays p 494 A95-95046
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight p 494 A95-95047
Head-up displays: Effect of information location on the processing of superimposed symbology p 517 A95-95048
Attentional tunneling and the head-up display p 522 A95-95176
Implications of object versus space based theories of attention in the design of the aircraft head-up display
[AD-A281791] p 22 N95-11326
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358

HEALTH

Meeting human needs
[AAS PAPER 91-313] p 457 A95-87470
Remote medical systems for the human exploration of space
[AAS PAPER 91-321] p 458 A95-87472
Illness, drugs, fatigue and stress in the cockpit reported by pilots p 489 A95-95136
Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
Space medicine research: Needs for the 21st century p 154 N95-16768
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777
Artificial gravity: How much, how often, how long? p 178 N95-16778
Health hazards assessment for blast overpressure exposures
[AD-A283352] p 158 N95-17998
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
Think health not disease p 164 N95-19429
The EEG in the evaluation of applicants to aircrew members p 165 N95-19432
Medication in the course of active flying duty p 168 N95-19443
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811
Netherlands Institute for Brain Research progress report, 1993
[PB95-135398] p 255 N95-21352
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004
Biological interactions and human health effects of static magnetic fields
[DE95-003147] p 311 N95-24145
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program
[DE95-008097] p 387 N95-28136
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188
Summaries of fiscal year 1994 projects in medical applications and biophysical research
[DE95-010405] p 487 N95-32040
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577

HEALTH PHYSICS

Radiation health for a Mars mission p 383 A95-82602
Ultrashort microwave signals: A didactic discussion
[HTN-95-01220] p 426 A95-91452
Aeromedical risk management for aircrew p 161 N95-19414
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981

HEARING

Effects of Noise on Hearing 5th International Symposium
[AD-A281439] p 33 N95-13177
Auditory interfaces: The human perceiver p 96 N95-14015
Monitoring audiometry in hearing conservation programs
[AD-A282024] p 83 N95-14145
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
Actual effectiveness of hearing protection in high level impulse noise
[AD-A291604] p 449 N95-28941

HEART

Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306
Ergometric studies of untrained skeletal muscle demonstrate feasibility of muscle-powered cardiac assistance
[HTN-95-A0681] p 291 A95-74382
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
Heart-lung interactions determined by electron beam X-ray CT in laterally recumbent rabbits
[HTN-95-91879] p 334 A95-81981
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561

HEART DISEASES

Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
Interactive effects of K(+), acidosis, and catecholamines on isolated rabbit heart: implications for exercise
[HTN-95-A0695] p 295 A95-75264
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
Sarcoidosis in US military aviators p 166 N95-19438

HEART FUNCTION

Exercise training improves metabolic response after ischemia in isolated working rat heart
[HTN-95-10080] p 53 A95-61931
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
Cardiac receptors modulate the renal sympathetic response to dynamic exercise in rabbits
[HTN-95-60032] p 67 A95-62140
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008
A portable fetal heart monitor and its adaption to the detection of certain prenatal abnormalities
[NASA-CR-196430] p 16 N95-10024
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108

Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940

HEART IMPLANTATION
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008

HEART MINUTE VOLUME
Respiratory muscle activity during sleep-induced periodic breathing in the elderly
[HTN-95-50879] p 240 A95-73069

HEART RATE
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
Right atrial pressure and ANP release during prolonged exercise in a hot envionment
[HTN-95-70075] p 76 A95-62517
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
Heart rate and blood pressure variabilities during graded head-up tilt
[HTN-95-21579] p 369 A95-83364
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180
Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618
Algorithm for real-time detection of QRS complex in ECG signal
[HTN-95-93118] p 491 A95-95619
A portable fetal heart monitor and its adaption to the detection of certain prenatal abnormalities
[NASA-CR-196430] p 16 N95-10024
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661
Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561

HEAT
Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
The impact of combined heat and noise on short-term retention
[AD-A281744] p 20 N95-11570

HEAT ACCLIMATIZATION
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
Continuous and intermittent personal microclimate cooling strategies
[HTN-95-01211] p 425 A95-91443
A study of zinc copper and manganese metabolism during military exercises in high temperature environment
[HTN-95-93128] p 491 A95-95629
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734

HEAT BALANCE
Again on isolated cells and spores of microorganisms 'exploding' on the Earth orbit
[HTN-95-41644] p 358 A95-78739
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563

HEAT EXCHANGERS
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663

HEAT GENERATION
Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice
[HTN-95-50871] p 238 A95-73061

HEAT PUMPS
Investigation of lunar base thermal control system options
[SAE PAPER 932112] p 462 A95-90353
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354
Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355
Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418

HEAT RADIATORS
Investigation of lunar base thermal control system options
[SAE PAPER 932112] p 462 A95-90353

HEAT STORAGE
Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418

HEAT STROKE
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Cardiorespiratory changes during microwave-induced lethal heat stress and beta-adrenergic blockade
[HTN-95-A0625] p 279 A95-74326
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924

HEAT TOLERANCE
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
Continuous and intermittent personal microclimate cooling strategies
[HTN-95-01211] p 425 A95-91443
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577

HEAT TRANSFER
Efficiency function: Improvement of classical bioheat approach
[HTN-95-A0636] p 281 A95-74337
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653

Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663
HEAT TRANSMISSION
Thermal resistance of the cheek in cold air
[AD-A286257] p 256 N95-22001
HEATING EQUIPMENT
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
HEAVY IONS
Time resolving detector systems for radiobiological investigations of effects of single heavy ions p 349 A95-81440
HZE reactions and data-base development p 350 A95-81444
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911
Mutagenesis in human cells with accelerated H and Fe ions
[NASA-CR-198599] p 382 N95-28177
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731
HELICOPTER DESIGN
Helicopter crewseat cushion program
[AD-A286654] p 265 N95-20973
HELICOPTERS
The effect of scene content on speed, time, and distance perception p 497 A95-95078
HOTT - a CRM course designed for the helicopter pilot p 499 A95-95108
Navigational demands of low-level helicopter flight p 506 A95-95171
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489
HELIUM
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003
HELIUM-OXYGEN ATMOSPHERES
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957
Gas density does not affect pulmonary acoustic transmission in normal men
[HTN-95-00426] p 326 A95-81943
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968
HELMET MOUNTED DISPLAYS
Simulation fidelity of a virtual environment display
[HTN-95-B0112] p 398 A95-85928
Tactile stimulation of the human head for information display
[HTN-95-20756] p 390 A95-86646
Head perturbations during walking while viewing a head-fixed target
[HTN-95-01208] p 466 A95-91440
Effects of lags on human operator transfer functions with head-coupled systems
[HTN-95-92912] p 469 A95-91850
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight p 494 A95-95047
Synthetic terrain imagery for Helmet-Mounted Display p 518 A95-95052
Virtual reality at work p 98 N95-14033
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755
Ride motion simulator (RMS) testing using human occupants
[AD-A292641] p 471 N95-29378
Wide field of view helmet display systems mounted for helicopter simulation
[AD-A293123] p 524 N95-30888
Design and integration issues of visually-coupled evaluation
[AD-A293521] p 525 N95-31538
Vertical impact testing of two helmet-mounted night vision systems
[AD-A293055] p 525 N95-31671
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
HELMETS
Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755
Vertical impact testing of two helmet-mounted night vision systems
[AD-A293055] p 525 N95-31671
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489
HEMATITE
Magnetite: What it reveals about the origin of the banded iron formations — Abstract only p 128 A95-63862
HEMATOCRIT
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
HEMATOPOIETIC SYSTEM
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
HEMODYNAMIC RESPONSES
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
Daily exercise improved blood pressure homeostasis of rats subjected to surgical stress
[HTN-95-60038] p 69 A95-62146
Failure of hemoconcentration during standing to reveal plasma volume decline induced in the erect posture
[HTN-95-50886] p 241 A95-73076
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys p 417 A95-88580
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Hemodynamic responses to passive body tilts p 86 N95-15096
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
Manipulating the arterial pressure to prevent G-LOC p 88 N95-15123
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611
HEMODYNAMICS
Applied potential tomography shows differential changes in fluid content of leg tissue layers in microgravity
[ISBN 0-08-042485-6] p 14 A95-60674
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree
[HTN-95-A0121] p 200 A95-68904
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
Cerebral hemodynamics during sensorimotor activation in humans
[HTN-95-70474] p 224 A95-71496
Time course of blood volume changes in an isolated lung lobe after venous pressure elevation
[HTN-95-70496] p 229 A95-71518
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
Effects of pulmonary blood flow on the fractal nature of flow heterogeneity in sheep lungs
[HTN-95-A0724] p 302 A95-75293
Evaluation of a transit-time system for the chronic measurement of blood flow in conscious sheep
[HTN-95-91892] p 338 A95-81994
Cardiovascular system and its regulation in space flights p 439 A95-88577
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
HEMOGLOBIN
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood
[HTN-95-A0109] p 197 A95-68892
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
Hemoglobin-based blood substitutes and enhanced susceptibility to bacterial infections
[AD-A281023] p 148 N95-16444
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers
[AD-A279774] p 246 N95-20806
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion
[AD-A289558] p 385 N95-26680
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
HEMOLYSIS
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
HEMORRHAGES
Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide
[HTN-95-50856] p 235 A95-73046
HEPARINS
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161

HERBICIDES
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4198] p 430 A95-92259
HERMES MANNED SPACEPLANE
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
HETEROCYCLIC COMPOUNDS
Copper complexes: Model for early enzymes --- Abstract only p 122 A95-63838
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
HETEROGENEITY
Nonequilibrium determinants of biological community structure
[HTN-95-11904] p 378 A95-85985
HEXOSES
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961
HIERARCHIES
The synthesis of vision and action
[AD-A285453] p 174 N95-18094
HIGH ACCELERATION
Greyout, blackout, and G-loss of consciousness in the Brazilian air force: A 1991-92 survey
[HTN-95-12211] p 448 A95-91911
G-protection basis/acceleration physiology p 538 N95-34051
Negative to positive Gz acceleration transition p 532 N95-34052
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Positive pressure breathing for G protection (PBG) p 538 N95-34055
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058
G-protection capabilities and current G-protection issues p 538 N95-34060
HIGH ALTITUDE
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
High-altitude physiology training p 490 A95-95140
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
Non-invasive detection of increased intracranial pressure using acoustical techniques
[AD-A279292] p 351 N95-24309
Refractive changes during prolonged exposure to altitude following refractive surgery
[AD-A290263] p 451 N95-29173
HIGH ALTITUDE BREATHING
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry
[HTN-95-21569] p 367 A95-83354
HIGH ALTITUDE ENVIRONMENTS
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Time course of augmentation and depression of hypoxic ventilatory responses at altitude
[HTN-95-A0615] p 276 A95-74316
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139
HIGH FREQUENCIES
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139
HIGH GRAVITY ENVIRONMENTS
Teratogenic effects of gravitational changes
[ISBN 0-08-042485-6] p 8 A95-60664
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
Regeneration of guinea pig facial nerve: The effect of hypergravity p 411 A95-87505
Studies of the interaction of gravity with biological membranes using alamethicin doped planar lipid bilayers as a model system p 411 A95-87506
Gravimorphogenesis and ultrastructure of the fungus Flammulina velutipes grown in space, on clinostats and under hyper-G conditions p 412 A95-87512
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla p 418 A95-88591
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
Changes in ECG in ground squirrels under several special conditions
[HTN-95-93127] p 487 A95-95628
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
The Physiologist, volume 36, number 1, supplement p 85 N95-15089
Changing gravity level and the development of animals p 43 N95-15101
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
Aerospace Medical Association 63rd Annual Scienti fic Meeting Program p 142 N95-16737
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Dynamics of the G-excess illusion p 155 N95-16771
Cumulative effects of repeated brief cerebral ischemia
[AD-A284234] p 210 N95-19698
Current Concepts on G-Protection Research and Development
[AGARD-LS-202] p 537 N95-34050
HIGH PRESSURE
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908
HIGH PRESSURE OXYGEN
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
Prediction of central nervous system oxygen toxicity in rats
[HTN-95-A0666] p 288 A95-74367
HIGH RESOLUTION
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
Automated integration of genomic physical mapping data via parallel simulated annealing
[DE95-008057] p 382 N95-27725
HIGH STRENGTH
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
HIGH TEMPERATURE
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
Evidence for organic synthesis in high temperature aqueous media - facts and prognosis p 421 A95-88735
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive p 422 A95-88744
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
HIGH TEMPERATURE ENVIRONMENTS
Can hyperthermophilic procaryotes tell us anything about the primitive earth? --- Abstract only p 139 A95-63917
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
Continuous and intermittent personal microclimate cooling strategies
[HTN-95-01211] p 425 A95-91443
Changes in ECG in ground squirrels under several special conditions
[HTN-95-93127] p 487 A95-95628
A study of zinc copper and manganese metabolism during military exercises in high temperature environment
[HTN-95-93128] p 491 A95-95629
HIPPOCAMPUS
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
Hippocampal place fields, the internal compass, and the learning of landmark stability
[AD-A289406] p 381 N95-27100
HISTAMINES
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
HISTIDINE
Thermal hetercomplex molecules from amino acids and their catalytic capabilities --- Abstract only p 122 A95-63839

HISTOCHEMICAL ANALYSIS
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808
HISTOLOGY
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
HISTORIES
Intelligent tutoring systems: Past, present, and future
[AD-A280011] p 261 N95-19970
Human radiation experiments: The Department of Energy roadmap to the story and the records
[DE95-006364] p 354 N95-25371
The use of radioisotopes in human experiments: Comments in response to recent media articles
[DE95-605680] p 354 N95-25981
HOLOGRAPHIC INTERFEROMETRY
Compact holographic apparatus for stomatology
[HTN-95-61170] p 399 A95-86269
HOLOGRAPHY
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
HOMEOSTASIS
Recognizing subtle physiological cues: Training to prevent pilot incapacitation p 489 A95-95138
Interrelations between nervous system and immune system in stress situations
[PB95-135521] p 311 N95-22770
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611
HOMING DEVICES
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
HORMONE METABOLISMS
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids p 410 A95-87501
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
Effects of short-term spaceflight and recombinant human growth hormone (rhGH) on bone growth in young rats
[HTN-95-01214] p 426 A95-91446
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625
HORMONES
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325
Hormonal changes on rat under the hypergravity exposure p 362 A95-82609
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
HUBBLE SPACE TELESCOPE
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
HUMAN BEHAVIOR
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
Eye accommodation: Use of Vernier optometers in behavioral research
[HTN-95-92293] p 388 A95-85337
Failure to follow safety instructions: Faulty communication or risky decisions?
[HTN-95-B0116] p 378 A95-85932
Motor activity anddepression-related disorders
[HTN-95-11907] p 390 A95-85988
Psychological first-aid: A practical aide-memoire
[HTN-95-12210] p 455 A95-91910
Delayed pilot recognition in lost communication events p 520 A95-95086
Beyond reason: The non judgmental path of least resistance to graceful CRM p 499 A95-95110
Leadership-behavior in high-tech-cockpits (A 320) p 500 A95-95116
Position-specific behaviors and their impact on crew performance: Implications for training p 501 A95-95121
Cross-cultural attitudes of flight crew regarding CRM p 501 A95-95123
Human factors in incident reporting p 522 A95-95124
New diagnostic tools for measuring learning behavior in pilot trainees p 503 A95-95146
The development of aircrew coordination behaviors p 505 A95-95156
Attention in a multi-task environment p 506 A95-95168
Habitability of Australian Antarctic stations p 24 N95-11603
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863
The relationship between space sickness and preflight diet p 88 N95-15122
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400
13th European Annual Conference on Human Decision Making and Manual Control
[PB95-132874] p 262 N95-21284
Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] p 312 N95-22579
On producing sequential movements and actions. An integrative review and an update of the generalized motor program
[AD-A288628] p 357 N95-25610
Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361
Locus of control and coping style as stress moderators in achievement oriented individuals
[AD-A294275] p 534 N95-34463
HUMAN BEINGS
The early evolution of the domestic dog
[HTN-95-92321] p 376 A95-85365
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251
Body dimensions for apparel
[PB94-187739] p 37 N95-11908
Will man need the vestibular system in generations to come? p 86 N95-15092
Space flight and humoral and cellular immunity of animals p 44 N95-15113
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227
Human radiation experiments: The Department of Energy roadmap to the story and the records
[DE95-006364] p 354 N95-25371
The use of radioisotopes in human experiments: Comments in response to recent media articles
[DE95-605680] p 354 N95-25981
Organization of the human circadian system
[AD-A288223] p 449 N95-28915
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086
Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238
HUMAN BODY
Applied potential tomography shows differential changes in fluid content of leg tissue layers in microgravity
[ISBN 0-08-042485-6] p 14 A95-60674
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
The fluid content of the shell tissues of the human body under different experimental conditions p 437 A95-88564
Volume regulation in humans during weightlessness p 438 A95-88568
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans p 438 A95-88571
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
Biochemistry of the actinides
[GTN-95-09258388-4023] p 424 A95-89501
Biomedical imaging
[AD-A282221] p 32 N95-12405
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans p 88 N95-15120
Robotic control using muscular and neural electrical signals
[AD-A284908] p 92 N95-15757
The assessment of virtual reality for human anatomy instruction p 160 N95-18971
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Application of compartmental metabolic models for determination of retention and excretion functions
[DE95-600249] p 352 N95-24367
Non-invasive method and apparatus for monitoring intracranial pressure and pressure volume index in humans
[NASA-CASE-LAR-13894-1] p 385 N95-26889
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666

HUMAN CENTRIFUGES
Artificial gravity as a countermeasure of physiological deconditioning in space
[ISBN 0-08-042485-6] p 15 A95-60683
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058
Selection and training of MiG-29 and future fighter pilots p 534 N95-34059

HUMAN FACTORS ENGINEERING
Crosscultural perspectives in human factors training: Lessons from the ICAO Human Factors Program
[HTN-95-A0506] p 260 A95-72577
Psychological challenges of manned spaceflight
[HTN-95-11448] p 354 A95-79426
Aviation human factors research in U.S. universities: Potential contributions to national needs
[HTN-95-92290] p 397 A95-85334
Information presentation for expert systems in future fighter aircraft
[HTN-95-92291] p 397 A95-85335
Effects of graphic and verbal probability information on command decision making
[HTN-95-B0064] p 389 A95-85880
A componential model of human interaction with graphs: 1. Linear regression modeling
[HTN-95-B0065] p 389 A95-85881
Toward a psychophysical assessment of dynamic changes in mental workload
[HTN-95-B0109] p 397 A95-85925
Effects of aging, skill modification, and demand alternation on multiple-task performance
[HTN-95-B0110] p 378 A95-85926
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, stereopsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Simulation fidelity of a virtual environment display
[HTN-95-B0112] p 398 A95-85928
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
Failure to follow safety instructions: Faulty communication or risky decisions?
[HTN-95-B0116] p 378 A95-85932
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
Ergonomics in laser system design p 458 A95-87846
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
Cellular manufacturing - design and implementation
[CONGRESS PAPER C428-14-202] p 469 A95-91708
Aircrew acceptance of automation in the cockpit
[CONGRESS PAPER C428-30-179] p 512 A95-93614
International Symposium on Aviation Psychology, 7th, Columbus, OH, April 26-29, 1993. Vols. 1 & 2
[HTN-95-52325] p 494 A95-95037
Information presentation for expert systems in future aircraft cockpits p 516 A95-95038
Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance p 516 A95-95039
Human engineering analysis for the high speed civil transport flight deck p 517 A95-95040
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
Failure indications on a head-up display p 517 A95-95045
Attentional limitations with Head-Up Displays p 494 A95-95046
Head-up displays: Effect of information location on the processing of superimposed symbology p 517 A95-95048
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
Design and evaluation of instrument approach procedure charts p 518 A95-95050
Encoding altitude and rate information in cockpit displays of traffic information: Color my world p 518 A95-95051
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
An approach to modeling pilot memory and developing a taxonomy of memory errors p 496 A95-95075
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
Natural scene templates as cueing devices p 520 A95-95082
Delayed pilot recognition in lost communication events p 520 A95-95086
The influence of air traffic control message length and timing on pilot communication p 520 A95-95087
Improving situation awareness displays for air traffic controllers p 520 A95-95088
The role of expert systems in future cooperative tools for air traffic controllers p 521 A95-95089
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
Preliminary analysis of pilot ratings of 'part line' information importance p 521 A95-95093
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control p 521 A95-95094
Commercial flight crew selection for automated flight decks p 521 A95-95099
Whither CRM? Future directions in Crew Resource Management training in the cockpit and elsewhere p 500 A95-95120
Captain upgrade CRM training: A new focus for enhanced flight operations p 501 A95-95122
Human factors in incident reporting p 522 A95-95124
The impact of automation on crew communication and performance p 501 A95-95125
Automation design and crew coordination p 522 A95-95126
The role of LOFT in CRM integration p 502 A95-95129
Cross-cultural perspectives in Human Factors training: The lessons from the ICAO Human Factors programme p 502 A95-95131
On-board crew-rest facilities p 522 A95-95134
Human factors training for the new joint European (JAA) pilot licences p 504 A95-95151
Air traffic controller resource management p 506 A95-95167
Attentional tunneling and the head-up display p 522 A95-95176
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180
Management of human failure in the cockpit by means of a human system failure checklist p 523 A95-95199
Use of ASRS data in an airline Human Factors department p 523 A95-95205
Human factors training for the investigator: The results of a systems approach to training development p 523 A95-95207
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
Simple model for human arm reachable workspace
[BTN-94-EIX94522407598] p 535 A95-96246
Portable seat lift
[NASA-CASE-MFS-28610-1] p 23 N95-11394
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
An overview of underground space as an extreme environment p 24 N95-11611
Design issues of human operator support systems
[PB94-191376] p 36 N95-11778
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design
[NASA-TM-108846] p 37 N95-11905
M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361
Visual psychophysics of egomotion
[AD-A282547] p 35 N95-12495
Coordinated action in 3-D space
[AD-A281284] p 35 N95-13375
Tactual interfaces: The human perceiver p 96 N95-14016
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
Human factors considerations for remote manipulation p 103 N95-14949
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147
Human performance in the modern cockpit p 171 N95-16764
Space medicine research: Needs for the 21st century p 154 N95-16768
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
On the development of an expert system for wheelchair selection p 214 N95-19627
A 3D stereo data visualization and representation
[AD-A284788] p 261 N95-20064
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
Perception and control of locomotion
[AD-A285605] p 262 N95-21192
Human force exertion in user-product interaction. Backgrounds for design
[PB95-132858] p 265 N95-21283
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
Ergonomic evaluation of the Apple Adjustable Keyboard
[DE95-002393] p 266 N95-21637
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700
Top ten list of user-hostile interface design
[DE95-001602] p 266 N95-21721
Command history, 1993
[AD-A279775] p 256 N95-21989
Activities of the Institute for the Study of Human Capabilities
[AD-A286471] p 267 N95-22275
Fuzzy clustering of facial form for prototyping environmental protection equipment
[DE94-014657] p 267 N95-22466
Human-centered design of human-computer-human dialogs in aerospace systems
[NASA-CR-197379] p 313 N95-22797
Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864
The dependence of human reliability upon task information content
[DE95-006645] p 357 N95-25483
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 401)
[NASA-SP-7011(401)] p 354 N95-25800
US Coast Guard Human Systems Integration (HSI) process model
[AD-A289172] p 400 N95-26612

Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909
Crew adaptation evaluation of the Norwegian Crew Concept (NOROREW)
[AD-A288478] p 401 N95-27058
Factors in human-computer interface design (a pilot study)
[AD-A288908] p 402 N95-27195
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365
Visual and auditory symbols: A literature review
[AD-A290222] p 472 N95-29908
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
Design and integration issues of visually-coupled evaluation
[AD-A293521] p 525 N95-31538
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
Stimulus-response compatibility
[PB95-214722] p 537 N95-33237
Human piloting factors in the design of control laws for precision landing p 537 N95-33605
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
On the use of the systems approach to certify advanced aviation technologies p 540 N95-34765
A psychologist's view of validating aviation systems p 540 N95-34767
Certification of tactics and strategies in aviation p 541 N95-34768
Human factors certification: A useful concept? p 541 N95-34769
Certify for success: A methodology for human-centered certification of advanced aviation systems p 541 N95-34773
Certification of training p 535 N95-34774
Presentation of a Swedish study program concerning recruitment, selection and training of student air traffic controllers: The MRU project phase 1 p 535 N95-34775
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776
Practical guidelines for workload assessment p 542 N95-34777
Is there a role for a test controller in the development of new ATC equipment? p 542 N95-34778
Towards a framework of human factors certification of complex human-machine systems p 542 N95-34779
The successful management of programs for human factors certification of advanced aviation technologies p 543 N95-34780
Evaluation in context: ATC automation in the field p 543 N95-34781
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782
Improving air traffic control: Proving new tools or approving the joint human-machine system? p 543 N95-34783
Certification for civil flight decks and the human-computer interface p 544 N95-34784
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

HUMAN FACTORS LABORATORIES
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004

HUMAN IMMUNODEFICIENCY VIRUS
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440

HUMAN PATHOLOGY
Aviation epidemiology data register: Coronary angiography outcomes of civilian aviators flying US aircraft
[AD-A285191] p 147 N95-16405

HUMAN PERFORMANCE
Minimizing human-machine interface failures in high risk systems
[BTN-95-EIX95042474623] p 213 A95-68277
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
Psychological challenges of manned spaceflight
[HTN-95-11448] p 354 A95-79426
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
Effects of graphic and verbal probability information on command decision making
[HTN-95-B0064] p 389 A95-85880
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
Effects of aging, skill modification, and demand alternation on multiple-task performance
[HTN-95-B0110] p 378 A95-85926
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia
[HTN-95-12206] p 447 A95-91906
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
Effect of task load and task load increment on performance and workload p 519 A95-95058
Improving situation awareness displays for air traffic controllers p 520 A95-95088
Aviation psychology, group dynamics and human performance issues in anesthesiology p 499 A95-95111
Position-specific behaviors and their impact on crew performance: Implications for training p 501 A95-95121
The impact of automation on crew communication and performance p 501 A95-95125
The role of LOFT in CRM integration p 502 A95-95129
Attention in a multi-task environment p 506 A95-95168
Crew performance and communication: Performing a terrain navigation task p 506 A95-95169
Stabilization of performance on a computer-based version of the multiple task performance battery p 507 A95-95172
Measurement of taskload in the analysis of aircrew performance p 507 A95-95174
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
The effect of taskload projection on automation use, performance, and workload p 523 A95-95181
Measurement of flight crew performance for the advanced qualification program p 509 A95-95188
Flight performance measurement utilizing a figure of merit (FOM) p 509 A95-95191
Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers
[DOT/FAA/AM-94/13] p 19 N95-10144
Effects of lighting and task parameters on visual acuity and performance
[PB94-179231] p 19 N95-10236
Examination of the processes underlying multilevel efficacy-performance spirals: A flight simulation study
[AD-A282136] p 20 N95-11340
The impact of combined heat and noise on short-term retention
[AD-A281744] p 20 N95-11570
Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
Measurement and modification of the EEG and related behavior p 99 N95-14038
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864
Preliminary analysis of Army aircrew requirements for Joint Surveillance Target Attack Radar System (JSTARS): Human performance requirements and job demands
[AD-A284917] p 104 N95-15759
Target acquisition: Human observer performance studies and TARGAC model validation
[AD-A284436] p 95 N95-15816
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
Mental rotation with and without a concurrent task: Moderating effects of visuospatial ability
[AD-A281866] p 169 N95-16301
The GOMS family of analysis techniques: Tools for design and evaluation
[AD-A285211] p 170 N95-16518
Human performance in the modern cockpit p 171 N95-16764
Space medicine research: Needs for the 21st century p 154 N95-16768
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300
Caffeine's influence on critical frequency thresholds
[AD-A282005] p 173 N95-17447
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655
Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151
Naval Biodynamics Laboratory 1993 command history
[AD-A284358] p 175 N95-18440
Effective team performance under stress and normal conditions: An experimental paradigm, theory and data for studying team decision making in hierarchical teams with distributed expertise
[AD-A284683] p 175 N95-18530
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
Learning effects on strategy selection in a dynamic task environment as a function of time pressure
[AD-A285458] p 212 N95-19538
Multiple-task performance: A critical review of the literature and a cognitive neuroscience framework
[AD-A285133] p 212 N95-19583
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399)
[NASA-SP-7011(399)] p 256 N95-21947
Command history, 1993
[AD-A279775] p 256 N95-21989
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004
Activities of the Institute for the Study of Human Capabilities
[AD-A286471] p 267 N95-22275

Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] p 312 N95-22579
Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863
The dependence of human reliability upon task information content
[DE95-006645] p 357 N95-25483
On producing sequential movements and actions. An integrative review and an update of the generalized motor program
[AD-A288628] p 357 N95-25610
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552
Analysis of group performance in visual signal detection
[AD-A289561] p 391 N95-26683
Codes of processing and multiple resources: Model and methodology
[AD-A289583] p 391 N95-26691
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692
Task-dependent effects of automation: The role of internal models in performance, workload, and situational awareness in a semi-automated cockpit
[AD-A292538] p 470 N95-28969
Current issues in the measurement of military aircrew performance: A consideration of the relationship between available metrics and operational concerns
[AD-A292539] p 470 N95-28970
Astronaut selection (NASA-MIPR)
[AD-A292512] p 456 N95-29162
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373
Contextual interference effects on acquisition and transfer of a complex motor task
[AD-A293788] p 512 N95-31583
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
Practical guidelines for workload assessment p 542 N95-34777

HUMAN REACTIONS
The roles of immediacy and redundancy in relative subjective workload assessment
[HTN-95-B0067] p 389 A95-85883
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761
Is the pilot fit for flying after an accident? p 164 N95-19425
The preservation of human surrogates for biomechanical studies p 537 N95-33312

HUMAN RELATIONS
Overwintering in the Antarctica as an analog for long term manned spaceflight
[ISBN-0-08-042485-6] p 15 A95-60686
Interpersonal relations during simulated space missions
[HTN-95-12201] p 455 A95-91901
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
Validating the impact of maintenance CRM training p 500 A95-95118
Human factors in incident reporting p 522 A95-95124
The impact of automation on crew communication and performance p 501 A95-95125
Automation design and crew coordination p 522 A95-95126
Analysis of communication in the standard versus automated aircraft p 501 A95-95127
Crew performance and communication: Performing a terrain navigation task p 506 A95-95169

HUMAN RESOURCES
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175

HUMAN TOLERANCES
Effects of Noise on Hearing 5th International Symposium
[AD-A281439] p 33 N95-13177
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
The chronic effects on JP-8 jet fuel exposure on the lungs
[AD-A280982] p 149 N95-16515
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941
Radiation in everyday life
[DE95-604111] p 379 N95-26597
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158

HUMAN WASTES
Functions effectiveness model for design of integrated regenerative life support system
[SAE PAPER 932066] p 467 A95-91644

HUMAN-COMPUTER INTERFACE
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
Minimizing human-machine interface failures in high risk systems
[BTN-95-EIX95042474623] p 213 A95-68277
Designing instructional simulations: Effects of instructional control and type of training task on developing display-interpretaion skills
[HTN-95-40882] p 259 A95-72259
A componential model of human interaction with graphs: 1. Linear regression modeling
[HTN-95-B0065] p 389 A95-85881
Toward a psychophysical assessment of dynamic changes in mental workload
[HTN-95-B0109] p 397 A95-85925
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, steropsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Simulation fidelity of a virtual environment display
[HTN-95-B0112] p 398 A95-85928
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
Computer human interface design in tower air traffic control for aircraft flight data management p 521 A95-95095
Commercial flight crew selection for automated flight decks p 521 A95-95099
Human Machine Interfaces for Teleoperators and Virtual Environments
[NASA-CP-10071] p 96 N95-14013
Creating better virtual worlds p 98 N95-14031
Virtual reality at work p 98 N95-14033
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
Varieties of virtualization p 98 N95-14036
A two dimensional artificial reality p 101 N95-14052
Use of the user action notation at the Naval Research Laboratory Human-Computer Interaction Laboratory
[AD-A281680] p 104 N95-15449
The GOMS family of analysis techniques: Tools for design and evaluation
[AD-A285211] p 170 N95-16518
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875
Qualitative vision and action
[AD-A282697] p 179 N95-16966
Top ten list of user-hostile interface design
[DE95-001602] p 266 N95-21721
Activities of the Institute for the Study of Human Capabilities
[AD-A286471] p 267 N95-22275
Human-centered design of human-computer-human dialogs in aerospace systems
[NASA-CR-197379] p 313 N95-22797
Knowledge-based guidance and control functions
[AGARD-AR-325] p 314 N95-23601
Enhanced visual user interface support for domain-oriented application composition systems
[AD-A289337] p 400 N95-26737
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884
Factors in human-computer interface design (a pilot study)
[AD-A288908] p 402 N95-27195
Georgetown Institute for Cognitive and Computational Sciences
[AD-A289775] p 457 N95-29458
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522
Visual tracking of self-occluding articulated objects
[AD-A292894] p 511 N95-31383
Human-computer interaction (HCI) specialization track Masters of Software Engineering (MSE) program
[AD-A292895] p 525 N95-31401
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
Stimulus-response compatibility
[PB95-214722] p 537 N95-33237
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
Certification for civil flight decks and the human-computer interface p 544 N95-34784

HUMERUS
Spaceflight results in depressed cancellous bone formation in rat humeri
[HTN-95-01215] p 426 A95-91447

HUMIDITY
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955

HYDRATES
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124

HYDRATION
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10087] p 55 A95-61938
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems
[DE95-000859] p 247 N95-21366

HYDRAULIC EQUIPMENT
Force based motion control of a walking machine
[PB95-129672] p 264 N95-20276

HYDRAULICS
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086

HYDRAZINES
Urazole is a potential precursor to uracil --- Abstract only p 107 A95-63762

HYDROCARBONS
Prebiotic organic compounds in Antarctic carbonaceous chondrites --- Abstract only p 107 A95-63760

Mass-spectrometric in situ studies of cometary organics for p/Halley and options for the future
p 190 A95-66758
Surface-atmosphere interactions on Titan compared with those on the pre-biotic Earth p 193 A95-66793
The physical nature of Titan's aerosols: Laboratory simulations p 193 A95-66794
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797

HYDROCHLORIC ACID
Effects of acute lung injury on dynamic tissue properties
[HTN-95-70488] p 227 A95-71510

HYDROCYANIC ACID
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
Cyanide polymers in the solar system: Miller-Urey revisited — Abstract only p 109 A95-63769
Characterization of hydrogen cyanide polymers and the Murchison meteorite: Implications for prebiotic and extraterrestrial chemistry — Abstract only
p 109 A95-63770
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere — Abstract only p 113 A95-63790
Earth's early atmosphere: How reducing was it? — Abstract only p 126 A95-63856
Thermodynamics of Strecker synthesis in hydrothermal systems — Abstract only p 134 A95-63888
Organic analysis of hydrogen cyanide polymers: Prebiotic and extraterrestrial chemistry
p 190 A95-66760
Chemical studies on the possible existence of life on Mars p 216 A95-66774
Role of trace metal ions in chemical evolution. The case of free-radical reactions p 194 A95-66799
The prebiotic role of adenine: A critical analysis
p 420 A95-88732
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737

HYDRODYNAMICS
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653

HYDROGEN
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957
Biochemical markers in Precambrian sediments - Indian subcontinent — Abstract only p 128 A95-63863
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650

HYDROGEN BONDS
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963

HYDROGEN IONS
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369

HYDROGEN PEROXIDE
Copper complexes: Model for early enzymes — Abstract only p 122 A95-63838
Evaluation of 3% hydrogen peroxide for use as an environmental disinfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381

HYDROLYSIS
2-Aminopropionitrile polymer — Abstract only
p 116 A95-63810
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
Coupling of brain muscarinic receptors to second messengers
[AD-A290498] p 450 N95-29153

HYDROPONICS
Establishing and maintaining specific pathogen free (SPF) conditions in aqueous solutions using ozone
p 482 A95-93810
Solid matrix and liquid culture procedures for growth of potatoes p 482 A95-93815

HYDROSTATIC PRESSURE
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
Manipulating the arterial pressure to prevent G-LOC
p 88 N95-15123
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
Effect of mild hydrostatic pressure on red blood cells
[AD-A290520] p 453 N95-29872

HYDROTHERMAL SYSTEMS
Thermodynamics of Strecker synthesis in hydrothermal systems — Abstract only p 134 A95-63888
Formation and alteration of organic compounds under submarine hydrothermal vent environments — Abstract only p 134 A95-63889
The potential for prebiotic synthesis in hydrothermal systems — Abstract only p 138 A95-63915
Amino acid stability in hydrothermal vents — Abstract only p 138 A95-63916
Evidence and conditions for synthesis of organic compounds in hydrothermal systems — Abstract only
p 139 A95-63919
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems — Abstract only
p 139 A95-63920
ISSOL Meeting, Barcelona, Spain, 1993
[HTN-95-92680] p 419 A95-88726
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
Evidence for organic synthesis in high temperature aqueous media - facts and prognosis
p 421 A95-88735
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive
p 422 A95-88744

HYDROXIDES
The meteoritic record of presolar and early solar system organic chemistry — Abstract only p 183 A95-63755
Double layer hydroxide minerals as host structures for bioorganic molecules — Abstract only
p 135 A95-63896
Prebiotic polymerization: Oxidative polymerization of 2, 3-dimercapto-1-propanol on the surface of iron(III) hydroxide oxide p 420 A95-88730
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466

HYDROXYL COMPOUNDS
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite
p 190 A95-66762

HYGIENE
Personal hygiene body wipe
[AD-A286092] p 267 N95-22274

HYPERBARIC CHAMBERS
Beta-Carotene and CNS oxygen toxicity in rats
[HTN-95-10105] p 59 A95-61956
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557

HYPERCAPNIA
Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
Ventilatory response to randomly modulated hypercapnia and hypoxia in humans
[HTN-95-70093] p 80 A95-62535
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
Cisternal Na(+) transport inhibition and the ventilatory response to CO2
[HTN-95-70465] p 222 A95-71487
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495
Cerebellar modulation of ventilatory response to progressive hypercapnia
[HTN-95-A0684] p 292 A95-75253
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
Ventilatory responses to dead space and CO2 breathing under inspiratory resistive load
[HTN-95-91896] p 339 A95-81998
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat
[HTN-95-21554] p 364 A95-83339
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158

HYPERKINESIA
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968

HYPERNEA
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960

HYPEROXIA
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats
[HTN-95-70477] p 224 A95-71499
Role of nonenzymatically generated prostanoid, 8-iso-PGF(sub 2 alpha) in pulmonary oxygen toxicity
[HTN-95-70479] p 225 A95-71501
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
Prediction of central nervous system oxygen toxicity in rats
[HTN-95-A0666] p 288 A95-74367
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
Ventilatory responses to dead space and CO2 breathing under inspiratory resistive load
[HTN-95-91896] p 339 A95-81998
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016

HYPERTENSION
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912
Effect of chronic hypoxia on pulmonary vascular pressures in isolated lungs of newborn pigs
[HTN-95-70498] p 229 A95-71520
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
Pulmonary arterial smooth muscle contractility in hypoxia-induced pulmonary hypertension
[HTN-95-A0622] p 278 A95-74323
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
Arterial and arteriolar contributions to skeletal muscle functional hyperemia in spontaneously hypertensive rats
[HTN-95-21565] p 366 A95-83350
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion
[AD-A289558] p 385 N95-26680

HYPERTHERMIA
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood
[HTN-95-A0109] p 197 A95-68892
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
Head cooling in hyperthermia
[HTN-95-93129] p 491 A95-95630
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating
[PB94-206885] p 254 N95-21016

HYPERVOLEMIA
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544

HYPOBARIC ATMOSPHERES
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry
[HTN-95-21569] p 367 A95-83354

HYPOCAPNIA
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532
Physiological dead space increases during initial hours of chronic hypoxemia with or without hypocapnia
[HTN-95-A0729] p 303 A95-75298
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960

HYPOKINESIA
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556

HYPOMETABOLISM
Hamsters vs. rats: Metabolic and ventilatory response to development in chronic hypoxia
[HTN-95-70471] p 223 A95-71493

HYPOTENSION
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742

HYPOTHALAMUS
Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851
Netherlands Institute for Brain Research progress report, 1993
[PB95-135398] p 255 N95-21352
Cellular interactions in the suprachiasmatic nucleus
[AD-A285639] p 311 N95-23780

HYPOTHERMIA
Right atrial pressure and ANP release during prolonged exercise in a hot environment
[HTN-95-70075] p 76 A95-62517
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378
Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912

HYPOTHESES
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801
A parallel processing hypothesis for short-term and long-term memory in Aplysia
[AD-A284101] p 174 N95-18401
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041

HYPOVENTILATION
Dose dependency of perceived breathlessness on hypoventilation during exercise in normal subjects
[HTN-95-70469] p 222 A95-71491

HYPOVOLEMIA
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107

HYPOXEMIA
Exercise-induced hypoxemia in older athletes
[HTN-95-10071] p 51 A95-61922
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503
Initial fall in skeletal muscle force development during ischemia is related to oxygen availability
[HTN-95-50873] p 238 A95-73063
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia
[HTN-95-50880] p 240 A95-73070
Physiological dead space increases during initial hours of chronic hypoxemia with or without hypocapnia
[HTN-95-A0729] p 303 A95-75298

HYPOXIA
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole
[HTN-95-10065] p 49 A95-61916
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917
Influence of hypoxia and serotonin on small pulmonary vessels
[HTN-95-10073] p 51 A95-61924
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926
Acetylcholine and carotid body excitation during hypoxia in the cat
[HTN-95-10094] p 57 A95-61945
Metabolic-ventilatory interaction in conscious rats: Effect of hypoxia and ambient temperature
[HTN-95-10095] p 57 A95-61946
Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10098] p 58 A95-61949
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955
Beta-Carotene and CNS oxygen toxicity in rats
[HTN-95-10105] p 59 A95-61956
Behavioral effects of carbon monoxide: Meta analyses and extrapolations
[HTN-95-10108] p 60 A95-61959
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
Inhibition of aldosterone release by hypoxia in vitro: Interaction with carbon monoxide
[HTN-95-60031] p 67 A95-62139
Effect of hypoxia on neuromuscular transmission in the developing diaphragm
[HTN-95-60037] p 68 A95-62145
Superresistance against hypoxia after preliminary adaptation to repeated stress
[HTN-95-70071] p 75 A95-62513
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532
Ventilatory response to randomly modulated hypercapnia and hypoxia in humans
[HTN-95-70093] p 80 A95-62535
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
Developmental differences in vascular responses to hypoxia in lungs of rabbits
[HTN-95-A0104] p 196 A95-68887
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492
Hamsters vs. rats: Metabolic and ventilatory response to development in chronic hypoxia
[HTN-95-70471] p 223 A95-71493
TNF potentiates PAF-induced pulmonary vasoconstriction in the rat: Role of neutrophils and thromboxane A(sub 2)
[HTN-95-70497] p 229 A95-71519
Effect of chronic hypoxia on pulmonary vascular pressures in isolated lungs of newborn pigs
[HTN-95-70498] p 229 A95-71520
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044

Blood lactate and acid-base balance in graded neonatal hypoxia: Evidence for oxygen-restricted metabolism
[HTN-95-50861] p 236 A95-73051
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs
[HTN-95-A0597] p 272 A95-74298
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Effect of dopamine on hypoxic ventilatory response of sedated piglets with intact and denervated carotid bodies
[HTN-95-A0611] p 275 A95-74312
Time course of augmentation and depression of hypoxic ventilatory responses at altitude
[HTN-95-A0615] p 276 A95-74316
Pulmonary arterial smooth muscle contractility in hypoxia-induced pulmonary hypertension
[HTN-95-A0622] p 278 A95-74323
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats
[HTN-95-A0688] p 293 A95-75257
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB
[HTN-95-00414] p 323 A95-81931
Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960
Alterations in respiratory control during 8 h of isocapnic and poikilocapnic hypoxia in humans
[HTN-95-00444] p 330 A95-81961
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
Ventilation and carbon dioxide exchange in exercising horses: Effect of inspired oxygen fraction
[HTN-95-91908] p 341 A95-82010
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat
[HTN-95-21554] p 364 A95-83339
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry
[HTN-95-21569] p 367 A95-83354
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
Comparison of airline passenger oxygen systems
[HTN-95-01217] p 444 A95-91449
A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia
[HTN-95-12206] p 447 A95-91906
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139
Changes in ECG in ground squirrels under several special conditions
[HTN-95-93127] p 487 A95-95628
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627

I

IBM COMPUTERS
Ergonomics in laser system design p 458 A95-87846
ICE
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Titan's atmosphere composition: Certainties and speculations p 217 A95-66792
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802
Probing the structure of cometary ice p 419 A95-88727
Prebiotic chemistry in space; Proceedings of Symposia B1.4 and F3.3 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042622-0] p 472 A95-89205
ICE ENVIRONMENTS
Overwintering in the Antarctica as an analog for long term manned spaceflight
[ISBN-0-08-042485-6] p 15 A95-60686
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
ICE FORMATION
Computer simulation of astrophysical ices — Abstract only p 108 A95-63766
IDENTIFYING
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
ILLUMINANCE
Caffeine's influence on critical frequency thresholds
[AD-A282005] p 173 N95-17447
ILLUMINATING
Effects of lighting and task parameters on visual acuity and performance
[PB94-179231] p 19 N95-10236
Effects of gravity and light on plant growth and performance in normal and reduced gravity p 529 N95-32901
ILLUSIONS
Dynamics of the G-excess illusion p 155 N95-16771
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714
IMAGE ANALYSIS
Scene analysis: A brief survey
[PB94-205085] p 36 N95-13433
Perception and control of locomotion
[AD-A285605] p 262 N95-21192
IMAGE CONTRAST
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 388 A95-84375
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
IMAGE CORRELATORS
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
IMAGE ENHANCEMENT
Machine vision monitoring of plant health p 478 A95-93784
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473
Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917
IMAGE FILTERS
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
IMAGE INTENSIFIERS
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
IMAGE MOTION COMPENSATION
Visual psychophysics of egomotion
[AD-A282547] p 35 N95-12495
IMAGE PROCESSING
Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 388 A95-84375
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Visual psychophysics of egomotion
[AD-A282547] p 35 N95-12495
Standards relevant to a NATO anthropometry survey using 3D imaging tools
[AD-A283065] p 39 N95-13055
Analysis of electron microscope images: 3-D localization of immuno-markers
[PB94-197977] p 41 N95-13990
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875
High performance computing for medical image interpretation
[AD-A285457] p 210 N95-19537
A 3D stereo data visualization and representation
[AD-A284788] p 261 N95-20064
Integration of segmentation and stereo matching
[PB95-107819] p 255 N95-21028
Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473
Using virtual active vision tools to improve autonomous driving tasks
[AD-A289175] p 392 N95-27013
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935
Intermediate levels of visual processing
[AD-A291569] p 455 N95-28937
Computer models of retinal function
[AD-A290156] p 449 N95-29022
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
IMAGE RECONSTRUCTION
Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949
Occlusion-free monocular three-dimensional vision system
[BTN-95-EIX95292661227] p 443 A95-89826
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
IMAGE RESOLUTION
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406
High performance computing for medical image interpretation
[AD-A285457] p 210 N95-19537

Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473
An image quality analysis of ANVIS-6 night vision goggles
[AD-A289398] p 401 N95-26883
Factors in human-computer interface design (a pilot study)
[AD-A288908] p 402 N95-27195

IMAGERY
Synthetic terrain imagery for Helmet-Mounted Display p 518 A95-95052
Natural scene templates as cueing devices p 520 A95-95082
Imagery in aviation: Pilot training p 502 A95-95141

IMAGES
Obtaining medical and biological images by FTIR multiaspect projection refractometry
[HTN-95-61162] p 398 A95-86261
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473

IMAGING TECHNIQUES
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
Dynamical thermovision for a study of blood flow regulation and pathologies
[BTN-94-EIX94401361400] p 310 A95-75510
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421282962] p 349 A95-78962
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
Forward and inverse problems in elasticity imaging of soft tissues
[BTN-95-EIX95332424675] p 483 A95-94877
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Light and imaging in extreme environments p 21 N95-11631
Biomedical imaging
[AD-A282221] p 32 N95-12405
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight p 42 N95-15094
Distance estimation training with night vision goggles: A preliminary study
[AD-A284900] p 104 N95-15755
Simulation of arthroscopic surgery using MRI data p 145 N95-15975
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation p 176 N95-15984
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086
High performance computing for medical image interpretation
[AD-A285457] p 210 N95-19537
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers
[AD-A279774] p 246 N95-20806
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971
Integration of segmentation and stereo matching
[PB95-107819] p 255 N95-21028
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
Magnetic source imaging of visually evoked and oscillatory electrical activity of the human brain
[PB95-127205] p 258 N95-22476
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513
Continuation of BNCT Research Program at NEMC and MIT
[DE94-016228] p 311 N95-22875
Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426
Development and application of low-temperature AFM
[AD-A291704] p 383 N95-28525
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358

IMIDES
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827

IMINES
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942

IMMOBILIZATION
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat p 418 A95-88593
Prevent and cure disuse bone loss
[NASA-CR-196845] p 17 N95-11594
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
Proceedings of the 11th congress of the international society for artificial cells, blood substitutes and immobilization biotechnology
[AD-A290342] p 431 N95-29088

IMMUNE SYSTEMS
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
Sex as a determining factor in the effect of exercise on in vivo autoimmune response adjuvant arthritis
[HTN-95-10116] p 62 A95-61967
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading
[HTN-95-A0113] p 198 A95-68896
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
Role of nonenzymatically generated prostanoid, 8-iso-PGF(sub 2 alpha) in pulmonary oxygen toxicity
[HTN-95-70479] p 225 A95-71501
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
Effect of muscular exercise on chronic relapsing experimental autoimmune encephalomyelitis
[HTN-95-50862] p 236 A95-73052
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
Differential response of macrophage subpopulations to soleus muscle reloading after rat hindlimb suspension
[HTN-95-A0612] p 275 A95-74313
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
Influence of spaceflight on the production of interleukin-3 and interleukin-6 by rat spleen and thymus cells
[HTN-95-00411] p 322 A95-81928
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
Effect of fluoride on cardiopulmonary function and release of eicosanoids in pigs
[HTN-95-91898] p 339 A95-82000
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529

Effect of space flight on the immune system in man
p 437 A95-88565
Treatment of murine lupus with CTLA4Ig
[BTN-95-EIX95302460580] p 488 A95-94245
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638
Interrelations between nervous system and immune system in stress situations
[PB95-135521] p 311 N95-22770
Diagnostic antigens of Leishmania
[AD-A288805] p 381 N95-27097
Studies of altered response to infection induced by severe injury
[AD-A288907] p 450 N95-29139
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754

IMMUNITY
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501
Neutral endopeptidase modulates substance P-induced vasodilation in vivo
[HTN-95-91897] p 339 A95-81999
Effect of space flight on the immune system in man
p 437 A95-88565
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754

IMMUNOASSAY
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602

IMMUNOLOGY
Sex as a determining factor in the effect of exercise on in vivo autoimmune response adjuvant arthritis
[HTN-95-10116] p 62 A95-61967
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
Effects of hypergravity on immunologic function
[HTN-95-60848] p 319 A95-78302
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
Treatment of murine lupus with CTLA4Ig
[BTN-95-EIX95302460580] p 488 A95-94245
Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638
The Physiologist, volume 36, number 1, supplement
p 85 N95-15089
Space flight and humoral and cellular immunity of animals p 44 N95-15113
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435
Diagnostic antigens of Leishmania
[AD-A288805] p 381 N95-27097
Conference perspective. Neuroimmunomodulation: Stress and immune function
[AD-A291351] p 492 N95-30870
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754

IMPACT
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life — Abstract only
p 184 A95-63860

IMPACT LOADS
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909
Skeletal muscle responses to unloading in humans
p 150 N95-16743
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489

IMPACT TESTS
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909
Vertical impact testing of two helmet-mounted night vision systems
[AD-A293055] p 525 N95-31671
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574

IMPEDANCE
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data
[HTN-95-A0125] p 201 A95-68908
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619

IMPLANTATION
Biotelemetry implant volume and weight in rats: A pilot study report
[NASA-TM-108812] p 13 N95-10863
Characterization and redesign of the AFIT multielectrode array
[AD-A289295] p 386 N95-27039

IMPULSES
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045

IN-FLIGHT MONITORING
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422

INCENTIVES
Psychological aspects of risk taking in extreme environments p 21 N95-11622

INDEXES
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task
p 508 A95-95179
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395)
[NASA-SP-7011(395)] p 91 N95-15304
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 401)
[NASA-SP-7011(401)] p 354 N95-25800

INDEXES (DOCUMENTATION)
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396)
[NASA-SP-7011(396)] p 158 N95-17703
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 402)
[NASA-SP-7011(402)] p 387 N95-27502
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 403)
[NASA-SP-7011(403)] p 451 N95-29190

INDICATING INSTRUMENTS
Failure indications on a head-up display
p 517 A95-95045

INDIUM ISOTOPES
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers
[AD-A279774] p 246 N95-20806

INDOOR AIR POLLUTION
Toluene removal from air by Dieffenbachia in a closed environment p 513 A95-93772
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776

INDUSTRIAL MANAGEMENT
Ownership and accountability - they're not just buzzwords
[CONGRESS PAPER C428-14-201]
p 469 A95-91707
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909

INDUSTRIAL PLANTS
Ergonomics in laser system design
p 458 A95-87846

INDUSTRIAL SAFETY
A conceptual model of overexertion, safety, and risk of injury in occupational settings
[HTN-95-B0070] p 377 A95-85886
Monitoring audiometry in hearing conservation programs
[AD-A282024] p 83 N95-14145

INDUSTRIAL WASTES
Light remedies for hazardous wastes
[HTN-95-41864] p 320 A95-80590
Biological and biotechnological waste management in materials processing
[HTN-95-20610] p 397 A95-84791
Waste disposal options for refractory tearout
[HTN-95-81618] p 458 A95-87666
Marshall Space Flight Center solid waste characterization and recycling improvement study
[NASA-CR-196594] p 402 N95-27164

INDUSTRIES
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188

INFECTIOUS DISEASES
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
Interrelations between nervous system and immune system in stress situations
[PB95-135521] p 311 N95-22770
Diagnostic antigens of Leishmania
[AD-A288805] p 381 N95-27097
Studies of altered response to infection induced by severe injury
[AD-A288907] p 450 N95-29139
The preservation of human surrogates for biomechanical studies p 537 N95-33312

INFLATABLE STRUCTURES
Feasibility study of inflatable structures for a lunar base
[BTN-95-EIX95041503792] p 213 A95-69223
Inflatable rescue device
[NASA-CASE-MSC-22244-1] p 357 N95-25306
Releaseable unconstrained inflatable body protector
[AD-D017350] p 524 N95-30552

INFLATING
Adverse effect of hyperinflation on parasternal intercostals
[HTN-95-50853] p 234 A95-73043

INFORMATION
Preliminary analysis of pilot ratings of 'part line' information importance p 521 A95-95093
The synthesis of vision and action
[AD-A285453] p 174 N95-18094

INFORMATION DISSEMINATION
Human radiation experiments: The Department of Energy roadmap to the story and the records
[DE95-006364] p 354 N95-25371
Clearing-house mechanism to promote and facilitate technical and scientific cooperation under the UN Convention on Biological Diversity
[PB95-214557] p 530 N95-33236

INFORMATION MANAGEMENT
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
Flight deck information management: An experiment study of functional integration of approach data
p 518 A95-95053
Cognitive representations of flight-deck information attributes p 495 A95-95055
Crew decision making under stress
p 171 N95-16765

INFORMATION PROCESSING (BIOLOGY)
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
Behaviorism, cognitivism and the neuropsychology of memory
[HTN-95-42102] p 388 A95-83868
Toward a psychophysical assessment of dynamic changes in mental workload
[HTN-95-B0109] p 397 A95-85925
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041

Head-up displays: Effect of information location on the processing of superimposed symbology p 517 A95-95048
Categorization and prioritization of flight deck information p 495 A95-95054
Cognitive representations of flight-deck information attributes p 495 A95-95055
How are three-dimensional objects represented in the brain?
[AD-A282367] p 34 N95-11942
Neural mechanisms of kinesthesia p 96 N95-14018
Intersensory coordination p 97 N95-14020
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
Augmentation of research on cognitive control
[AD-A280956] p 93 N95-14600
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
Learning effects on strategy selection in a dynamic task environment as a function of time pressure
[AD-A285458] p 212 N95-19538
Multiple-task performance: A critical review of the literature and a cognitive neuroscience framework
[AD-A285133] p 212 N95-19583
Intermediate levels of visual processing
[AD-A284922] p 261 N95-19998
Signal- and listener- based factors in complex auditory pattern perception
[AD-A285636] p 262 N95-21101
MAC/FAC: A model of similarity-based retrieval
[AD-A286291] p 263 N95-22052
Magnetic source imaging of visually evoked and oscillatory electrical activity of the human brain
[PB95-127205] p 258 N95-22476
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
Codes of processing and multiple resources: Model and methodology
[AD-A289583] p 391 N95-26691
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Computer models of retinal function
[AD-A290156] p 449 N95-29022
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
Reference frames in vision
[AD-A290117] p 456 N95-29422
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
Georgetown Institute for Cognitive and Computational Sciences
[AD-A289775] p 457 N95-29458
Physiology and physiopathology of equilibration
[PB95-208328] p 491 N95-30494

INFORMATION RETRIEVAL

Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance p 516 A95-95039
Role of working memory limitations of retrieval
[AD-A280032] p 261 N95-20007
MAC/FAC: A model of similarity-based retrieval
[AD-A286291] p 263 N95-22052

INFORMATION SYSTEMS

First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918
Abstracts from the International Conference on Nuclear Analytical Methods in the Life Sciences
[DE94-621923] p 27 N95-11728
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
Use of the user action notation at the Naval Research Laboratory Human-Computer Interaction Laboratory
[AD-A281680] p 104 N95-15449
Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766
National Library of Medicine programs and services, fiscal year 1991
[PB94-188026] p 158 N95-17949
National Library of Medicine programs and services, fiscal year 1992
[PB94-188034] p 158 N95-17950
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 398)
[NASA-SP-7011(398)] p 160 N95-19239
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696
Managing technological change in a military treatment facility: A case study of medical diagnostic imaging support (MDIS) system
[AD-A294894] p 533 N95-34573

INFORMATION THEORY

The reverse genetic code and the central dogma of molecular biology --- Abstract only p 120 A95-63829
The origin of genetic information --- Abstract only p 123 A95-63843
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins --- Abstract only p 125 A95-63852
Did the very first self-replicating chemical systems need homochirality? --- Abstract only p 129 A95-63866
Information, entropy, thermodynamics and the origin of life --- Abstract only p 140 A95-63925

INFORMATION TRANSFER

The phylogeny of tRNA molecules and the origin of the genetic code
[HTN-95-10289] p 140 A95-64051
A hypothesis: Reciprocal information transfer between oligoribonucleotides and oligopeptides in prebiotic molecular evolution
[HTN-95-10294] p 141 A95-64056
On the role of exchange of power and information signals in control and stability of the human-robot interaction p 101 N95-14051

INFRARED ABSORPTION

Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252

INFRARED DETECTORS

Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180

INFRARED IMAGERY

Dynamical thermovision for a study of blood flow regulation and pathologies
[BTN-94-EIX94401361400] p 310 A95-75510
Target acquisition: Human observer performance studies and TARGAC model validation
[AD-A284436] p 95 N95-15816
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504

INFRARED LASERS

Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268

INFRARED RADAR

SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504

INFRARED RADIATION

Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083
Use of body surface heat patterns for predicting and evaluating acute lower extremity pain among soldiers
[AD-A292829] p 493 N95-31446

INFRARED SPECTRA

Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016

INFRARED SPECTROSCOPY

Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125

INFRARED TRACKING

Multispectral image correlation for air-to-ground targeting p 535 N95-32489

INHIBITION

Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861
Apnea after normocapnic mechanical ventilation during NREM sleep
[HTN-95-50876] p 239 A95-73066

INHIBITORS

Effects of maximal exercise and venous occlusion on fibrinolytic activity in physically active and inactive men
[HTN-95-50859] p 235 A95-73049
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
Concentration and temperature effects on ovostatin activity p 144 N95-18997
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850

INJECTION

Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754

INJURIES

Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
Effects of acute lung injury on dynamic tissue properties
[HTN-95-70488] p 227 A95-71510
TNF potentiates PAF-induced pulmonary vasoconstriction in the rat: Role of neutrophils and thromboxane A(sub 2)
[HTN-95-70497] p 229 A95-71519
Running-induced muscle injury and myocellular enzyme release in rats
[HTN-95-50872] p 238 A95-73062
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
A conceptual model of overexertion, safety, and risk of injury in occupational settings
[HTN-95-B0070] p 377 A95-85886
Medical and surgical evaluation and care of illness in space
[NASA-CR-196280] p 17 N95-10937
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086

Studies of altered response to infection induced by severe injury
[AD-A288907] p 450 N95-29139
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378

INORGANIC PEROXIDES
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621

INSECTICIDES
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4198] p 430 A95-92259

INSECTS
Pair-rule expression patterns of even-skipped are found in both short- and long-germ beetles
[BTN-94-EIX94401310327] p 305 A95-76502
Pair-rule expression patterns of even-skipped are found in both short- and long-germ beetles
[BTN-94-EIX94401310327] p 305 A95-76502

INSPECTION
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365

INSPIRATION
Ventilatory responses to inspiratory threshold loading and role of muscle fatigue in task failure
[HTN-95-10064] p 49 A95-61915
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
Adverse effect of hyperinflation on parasternal intercostals
[HTN-95-50853] p 234 A95-73043
Respiratory muscle activity during sleep-induced periodic breathing in the elderly
[HTN-95-50879] p 240 A95-73069
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials
[HTN-95-A0700] p 296 A95-75269
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
Alterations in respiratory control during 8 h of isocapnic and poikilocapnic hypoxia in humans
[HTN-95-00444] p 330 A95-81961
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984
Ventilatory responses to dead space and CO2 breathing under inspiratory resistive load
[HTN-95-91896] p 339 A95-81998
Validation of a noninvasive tension-time index of inspiratory muscles
[HTN-95-91907] p 341 A95-82009

INSTRUCTORS
CRM assessment and instructor knowledge structures
p 502 A95-95130

INSTRUMENT APPROACH
Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance
p 516 A95-95039
Design and evaluation of instrument approach procedure charts p 518 A95-95050
Implications of object versus space based theories of attention in the design of the aircraft head-up display
[AD-A281791] p 22 N95-11326

INSTRUMENT LANDING SYSTEMS
Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575
Failure indications on a head-up display
p 517 A95-95045

INSULIN
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
Suitability of 2-deoxyglucose for in vitro measurement of glucose transport activity in skeletal muscle
[HTN-95-60045] p 70 A95-62153
Early alterations in soleus GLUT-4, glucose transport, and glycogen in voluntary running rats
[HTN-95-70073] p 75 A95-62515
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531
Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats
[HTN-95-A0107] p 197 A95-68890
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity
p 46 N95-15148

INTEGRATED MISSION CONTROL CENTER
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261

INTELLIGENCE
The effect of response format on reliability estimates for tacit knowledge scales
[AD-A283547] p 94 N95-15326
Coping and adaptation: Theoretical and applied perspectives
[AD-A290513] p 455 N95-29090

INTELLIGENCE TESTS
Cognitive/self-regulatory aptitudes and instructional methods for complex skill learning
[AD-A280937] p 20 N95-10536

INTELLIGIBILITY
Speech intelligibility and protective effectiveness of selected active noise reduction and conventional communicatios headsets
[HTN-95-B0075] p 377 A95-85891

INTENSITY
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948

INTERCRANIAL CIRCULATION
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539

INTERFACES
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275

INTERFERENCE
On the absolute meaning of the energy scale approximately kT in the thermal interference involved in enzyme-coupled reactions
[HTN-95-92207] p 375 A95-84063

INTERFERON
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
Effect of space flight on the immune system in man
p 437 A95-88565
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602

INTERNATIONAL COOPERATION
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
Architectural concept of Antarctic station of a new generation p 24 N95-11604
Developing an international astronaut team
p 20 N95-11607
Results of an International Space Crew Debrief
p 152 N95-16750
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
A comparison of the aeromedical administration requirements for US Air Forces and major allies
[AD-A290137] p 450 N95-29141
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719

INTERNATIONAL SPACE STATION
Automation and crew time saving in the space experiment p 315 N95-23715
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
Microgravity Sciences Biotechnology Facility assessment
[NASA-CR-196602] p 382 N95-27329

INTERPLANETARY FLIGHT
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268

INTERPLANETARY MAGNETIC FIELDS
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320

INTERPLANETARY MEDIUM
Prebiotic chemistry in space; Proceedings of Symposia B1.4 and F3.3 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042622-0] p 472 A95-89205
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208

INTERPLANETARY SPACE
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431

INTERPOLATION
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971

INTERSTELLAR CHEMISTRY
Delivery of interstellar prebiotic organics to the earth by comets — Abstract only p 106 A95-63748
The organic and mineral inventory of comets and the possible role in early biological activities: A summary of the mass spectrometric studies of comet p/Halley — Abstract only p 182 A95-63750
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest
p 473 A95-89216

INTERSTELLAR GAS
Organic molecules in the gas phase of dense interstellar clouds p 189 A95-66755

INTERSTELLAR MATTER
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802
Polycyclic aromatic hydrocarbon ions and the diffuse interstellar bands p 194 A95-66804
Isotopic ratios in planetary atmospheres
p 218 A95-66806
Life from the stars? — extraterrestrial sources contributing to chemical evolution on Earth
[HTN-95-20821] p 230 A95-72081

Cosmic evolution of the biogenic elements and compounds
[HTN-95-41238] p 316 A95-75050
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206

INTERSTELLAR RADIATION
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659

INTERSTELLAR TRAVEL
Time, ice and terraforming
[HTN-95-60881] p 358 A95-78861

INTERSTITIALS
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity p 90 N95-15138

INTERVERTEBRAL DISKS
Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties p 166 N95-19435
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436

INTESTINES
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
Circadian rhythms in the sensitivity to radiation and different drugs in mouse intestinal epithelium p 419 A95-88600
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808

INTOXICATION
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863

INTRACRANIAL CAVITY
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909

INTRACRANIAL PRESSURE
Non-invasive detection of increased intracranial pressure using acoustical techniques
[AD-A279292] p 351 N95-24309
Non-invasive method and apparatus for monitoring intracranial pressure and pressure volume index in humans
[NASA-CASE-LAR-13894-1] p 385 N95-26889

INTRAOCULAR PRESSURE
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853

INTRAVASCULAR SYSTEM
Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515

INTRAVEHICULAR ACTIVITY
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878

INTRAVENOUS PROCEDURES
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
Nuclear medicine program
[DE94-017530] p 160 N95-19244

INVERTEBRATES
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
Graviceptor development in jellyfish ephyrae in space and on Earth
[ISBN 0-08-042485-6] p 9 A95-60669

INVESTMENTS
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642

IODIDES
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340

IODINE
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341

IODINE COMPOUNDS
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341

IODINE 131
Nuclear medicine program
[DE94-017530] p 160 N95-19244

ION ACCELERATORS
Annual report of National Institute of Radiological Sciences
[DE94-792664] p 347 N95-25902

ION BEAMS
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911
Mutagenesis in human cells with accelerated H and Fe ions
[NASA-CR-198599] p 382 N95-28177

ION CONCENTRATION
Electrodialysis simulation to achieve optimum current density
[SAE PAPER 932074] p 468 A95-91652
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924

ION CURRENTS
Studies of the interaction of gravity with biological membranes using alamethicin doped planar lipid bilayers as a model system p 411 A95-87506

ION EXCHANGE MEMBRANE ELECTROLYTES
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
Cisternal Na(+) transport inhibition and the ventilatory response to CO2
[HTN-95-70465] p 222 A95-71487

ION EXCHANGE RESINS
Absorption and steam desorption performance of weak base anion exchange resin
[HTN-95-93119] p 523 A95-95620

ION EXCHANGING
Structure and functions of simple membrane-water interfaces --- Abstract only p 125 A95-63848
Molecular probes of gating and open channel conformational transitions of mechanosensitive ion channels
[AD-A291170] p 453 N95-29927

ION IMPLANTATION
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090

ION IRRADIATION
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728

IONIC REACTIONS
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems
[DE95-000859] p 247 N95-21366

IONIZING RADIATION
Ion irradiation of organic and biological materials --- Abstract only p 111 A95-63781
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659
Validity of the concept of absorbed dose as a physical quantity
[HTN-95-B0593] p 488 A95-93843
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

IONS
Electrical model for ion channels in excitable membranes
[BTN-94-EIX94371346929] p 269 A95-73341
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems
[DE95-000859] p 247 N95-21366
Electrical and electronic properties of self-assembled lipid bilayers
[AD-A290507] p 431 N95-29155
Estimation of spatially restricted LET using track structure models p 527 N95-32722

IRON
Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite --- Abstract only p 106 A95-63757
A redox beginning: Which came first phosphoryl, acyl, or electron transfer ? --- Abstract only p 107 A95-63759
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
Mutagenesis in human cells with accelerated H and Fe ions
[NASA-CR-198599] p 382 N95-28177

IRON CYANIDES
Oxidation of aniline on the metal ferrocyanides --- Abstract only p 112 A95-63787
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054

IRON ISOTOPES
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090

IRON OXIDES
Prebiotic polymerization: Oxidative polymerization of 2, 3-dimercapto-1-propanol on the surface of iron(III) hydroxide oxide p 420 A95-88730

IRRADIANCE
Effects of irradiance and spot size on pulsed holmium laser ablation of tissue
[BTN-94-EIX94421282961] p 349 A95-78961
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

IRRADIATION
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions --- Abstract only p 111 A95-63782
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
Radiation in everyday life
[DE95-604111] p 379 N95-26597
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719

IRRIGATION
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels p 361 A95-82587
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590
Peculiarities of moisture transfer in capillary-porous soil substitutes during space flight p 476 A95-93764
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity p 476 A95-93765
Plant-module for autonomous space-support (p-mass). p 476 A95-93766

ISCHEMIA
Exercise training improves metabolic response after ischemia in isolated working rat heart [HTN-95-10080] p 53 A95-61931
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans [HTN-95-70472] p 223 A95-71494
Regulation of bioenergetics in O2-limited isolated rat hearts [HTN-95-70481] p 225 A95-71503
Initial fall in skeletal muscle force development during ischemia is related to oxygen availability [HTN-95-50873] p 238 A95-73063
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion [HTN-95-A0690] p 294 A95-75259
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors [HTN-95-00432] p 327 A95-81949
Cumulative effects of repeated brief cerebral ischemia [AD-A284234] p 210 N95-19698
Skeletal muscle ischemia and heat shock proteins [AD-A285364] p 252 N95-20549
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage [AD-A289606] p 431 N95-29263

ISLANDS
Automated integration of genomic physical mapping data via parallel simulated annealing [DE95-008057] p 382 N95-27725

ISOCYANATES
Effect of increasing flow on distribution of pulmonary capillary transit times [HTN-95-10101] p 58 A95-61952

ISOLATION
The great lunar quarantine — Apollo Project's post-mission quarantine [HTN-95-A0582] p 384 A95-83162
Nutritional behavior of people during a two month duration isolation and confinement simulation [SAE PAPER 932067] p 467 A95-91645
Variables mediating the perception of crowding and confinement in extreme environments p 21 N95-11620

ISOMERS
Process strategies in the enzymatic resolution of enantiomers [PB95-107850] p 245 N95-20208

ISOMORPHISM
Myosin isoforms in mammalian skeletal muscle [HTN-95-A0102] p 195 A95-68885
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression [HTN-95-A0117] p 199 A95-68900

ISOTONICITY
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130

ISOTOPIC LABELING
Isotopic determination of glycolytic flux during intense exercise in humans [HTN-95-91887] p 336 A95-81989
Nuclear medicine program [DE94-017530] p 160 N95-19244
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers [AD-A279774] p 246 N95-20806

ITERATION
The origin of genetic information — Abstract only p 123 A95-63843

J

JACOBI MATRIX METHOD
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468

JAPAN
The effects of freezing on selected European and Asian foods prepared for International Space Missions p 396 A95-82610

JAPANESE SPACE PROGRAM
Development of Japanese experiment module remote manipulator system p 315 N95-23708

JAPANESE SPACECRAFT
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration [NASA-TM-104808] p 356 N95-24627

JET LAG
The effect of bright light and LEET on sleep after a 10-hour phase delay [AD-A291264] p 453 N95-29995

JOINTS (ANATOMY)
Simple model for human arm reachable workspace [BTN-94-EIX94522407598] p 535 A95-96246
Automatic locking knee brace joint [NASA-CASE-MFS-28997-1] p 402 N95-27501
Automated volumetric grid generation for finite element modeling of human hand joints [DE95-009575] p 494 N95-32097

JOINTS (JUNCTIONS)
Performance of EVA suit mobility joints influence of driving parameters [SAE PAPER 932098] p 460 A95-90342
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA) p 90 N95-15140

JP-8 JET FUEL
The chronic effects on JP-8 jet fuel exposure on the lungs [AD-A280982] p 149 N95-16515

JUDGMENTS
Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling [HTN-94-00359] p 18 A95-60105
The roles of immediacy and redundancy in relative subjective workload assessment [HTN-95-B0067] p 389 A95-85883
Beyond reason: The non judgmental path of least resistance to graceful CRM p 499 A95-95110

JUPITER (PLANET)
Isotopic ratios in planetary atmospheres p 218 A95-66806

JUPITER ATMOSPHERE
Photolysis of gaseous mixtures containing phosphine or germane — Abstract only p 184 A95-63775

K

KALMAN FILTERS
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach [AD-A289299] p 401 N95-27046

KEROGEN
Nitrogen isotopic composition of organic matter: Chemical fossils in Precambrian cherts — Abstract only p 127 A95-63861
Biochemical markers in Precambrian sediments - Indian subcontinent — Abstract only p 128 A95-63863

KIDNEYS
Cardiac receptors modulate the renal sympathetic response to dynamic exercise in rabbits [HTN-95-60032] p 67 A95-62140
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones [HTN-95-91873] p 333 A95-81975

KINEMATICS
Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling [HTN-94-00359] p 18 A95-60105
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration [HTN-95-90032] p 82 A95-62823
Coordination of human upper arm and forearm motion in rapid extensions p 101 N95-14056
Learning Hand/Eye coordination by an active observer. part 1: Organizing centers [AD-A289502] p 391 N95-26843

KINESTHESIA
The effect of space flight on spatial orientation p 437 A95-88566
Neural mechanisms of kinesthesia p 96 N95-14018

KINETIC ENERGY
Particle method for population waves [BTN-94-EIX94341340324] p 27 A95-60860
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys [AD-A280861] p 13 N95-10920

KINETIC EQUATIONS
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure [HTN-95-A0679] p 291 A95-74380
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis [HTN-95-00449] p 332 A95-81966

KINETICS
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans [HTN-95-00454] p 333 A95-81971
Effects of lateral tilt on optokinetic nystagmus, afternystagmus, and eye tracking in humans p 384 A95-82603
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation [NASA-TP-3479] p 148 N95-16412

KITS
The individual integral space habitation: Preliminary sketch design of an individual tensile space habitation, situated within a large-scale centralised tensile lattice structured pneumatic enclosure, in microgravitational space p 23 N95-11601
Experiment kits for processing biological samples inflight on SLS-2 [NASA-TM-4685] p 474 N95-26722

KNEE (ANATOMY)
Maximum rate of force development is increased by antagonist conditioning contraction [HTN-95-A0134] p 203 A95-68917
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise [HTN-95-70456] p 220 A95-71478
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men [HTN-95-50852] p 234 A95-73042
Simulation of arthroscopic surgery using MRI data p 145 N95-15975
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans [AD-A284974] p 147 N95-16228
Skeletal muscle responses to unloading in humans p 150 N95-16743
Automatic locking knee brace joint [NASA-CASE-MFS-28997-1] p 402 N95-27501

KNOWLEDGE
Questionnairing university students in biology on emergence and evolution of life — Abstract only p 113 A95-63791
Conceptual understanding and stability, and knowledge shields for fending off conceptual change [AD-A293555] p 534 N95-34609

KNOWLEDGE BASED SYSTEMS
Studies of novel popout [AD-A285237] p 169 N95-16244
Qualitative vision and action [AD-A282697] p 179 N95-16966
Knowledge-based guidance and control functions [AGARD-AR-325] p 314 N95-23601
Interaction and intelligent behavior [AD-A290049] p 457 N95-29443

KNOWLEDGE REPRESENTATION
Test theory reconceived [AD-A291836] p 456 N95-29432

KREBS CYCLE
Evolution of the biosynthesis of the branched-chain amino acids p 420 A95-88733

KRYPTON
The origin and early evolution of the atmospheres of the inner planets — Abstract only p 182 A95-63752

L

LABORATORY EQUIPMENT
The gravitational plant physiology facility-Description of equipment developed for biological research in spacelab [HTN-95-80713] p 245 A95-73285
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Life Sciences Centrifuge Facility review [NASA-CR-196849] p 41 N95-13702

LABYRINTH
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity p 380 N95-26729

LACTATES
Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle [HTN-95-10111] p 61 A95-61962
Catecholamine and blood lactate responses to incremental rowing and running exercise [HTN-95-10114] p 61 A95-61965
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise [HTN-95-10119] p 63 A95-61970
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass [HTN-95-60030] p 67 A95-62138

L-(+)-lactate infusion into working dog gastrocnemius: No evidence lactate per se mediates V(O2) slow component
[HTN-95-60039] p 69 A95-62147
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Lactate and acid-base exchange during brief intense contractions of skeletal muscle in situ
[HTN-95-A0607] p 274 A95-74308
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363

LACTIC ACID
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
L-(+)-lactate infusion into working dog gastrocnemius: No evidence lactate per se mediates V(O2) slow component
[HTN-95-60039] p 69 A95-62147
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
Effect of endurance training on activators of glycolysis in muscle during exercise
[HTN-95-60042] p 70 A95-62150
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise
[HTN-95-70077] p 76 A95-62519
Exercise O2 transport model assuming zero cytochrome PO2 at dot-VO2(sub max)
[HTN-95-A0122] p 200 A95-68905
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
Blood lactate and acid-base balance in graded neonatal hypoxia: Evidence for oxygen-restricted metabolism
[HTN-95-50861] p 236 A95-73051
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363

LAGOONS
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260

LAKE ICE
Stromatolitc microbial mats in perennially ice-covered Antarctic lakes --- Abstract only p 128 A95-63864

LAKES
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777

LAMINATES
Development and computer implementation of design/analysis techniques for multilayered composite structures. Probabilistic fiber composite micromechanics
[NASA-CR-198979] p 524 N95-31134

LANDING MODULES
Modern aspects of planetary protection and requirements to sterilization of space hardware p 216 A95-66785

LANDING SIMULATION
Strategic workload management and decision biases in aviation
[HTN-95-40883] p 259 A95-72260

LANGMUIR-BLODGETT FILMS
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754

LARGE SPACE STRUCTURES
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397

LARYNX
Coordination between respiration and swallowing: Respiratory phase relationships and temporal integration
[HTN-95-60048] p 71 A95-62156
Influence of lung volume dependence of upper airway resistance during continuous negative airway pressure
[HTN-95-A0138] p 204 A95-68921
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984

LASER ABLATION
Effects of irradiance and spot size on pulsed holmium laser ablation of tissue
[BTN-94-EIX94421282961] p 349 A95-78961
Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation p 434 A95-87826

LASER APPLICATIONS
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
Continuous pneumothorax monitoring by remittance measurement
[BTN-94-EIX94421282946] p 348 A95-78957
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421282962] p 349 A95-78962
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815
Laser induced tissue temperature changes p 432 A95-87816
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817
Numerical models of photothermal tissue welding processes p 433 A95-87818
Overview of current medical laser applications: Triumphs and failures p 434 A95-87825
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828
Ergonomics in laser system design p 458 A95-87846
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
Man-machine interfaces in health care p 97 N95-14029
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976

LASER BEAMS
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815
Laser induced tissue temperature changes p 432 A95-87816
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation p 434 A95-87826
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361

LASER CUTTING
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation p 434 A95-87826

LASER DAMAGE
Numerical models of photothermal tissue welding processes p 433 A95-87818
Theoretical modeling of ocular tissue damage by short pulse laser
[AD-A280928] p 16 N95-10533
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach
[AD-A293742] p 493 N95-31570

LASER DOPPLER VELOCIMETERS
Two-fiber laser Doppler velocimetry in blood: Monte Carlo simulation in three dimensions
[BTN-94-EIX94421282949] p 348 A95-78959

LASER HEATING
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815
Laser induced tissue temperature changes p 432 A95-87816
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817
Numerical models of photothermal tissue welding processes p 433 A95-87818
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822

LASER INDUCED FLUORESCENCE
Using laser spectroscopy to diagnose disease p 434 A95-87829
Phantoms for fluorescence spectroscopy p 435 A95-87830
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence p 435 A95-87832
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833

LASER OUTPUTS
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

LASER SPECTROMETERS
Using laser spectroscopy to diagnose disease p 434 A95-87829

LASER SPECTROSCOPY
Using laser spectroscopy to diagnose disease p 434 A95-87829
Phantoms for fluorescence spectroscopy p 435 A95-87830
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834

LASER TARGETS
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
LASER WELDING
Numerical models of photothermal tissue welding processes p 433 A95-87818
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
LASERS
Overview of current medical laser applications: Triumphs and failures p 434 A95-87825
Ergonomics in laser system design p 458 A95-87846
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390
LATERAL STABILITY
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
LEADERSHIP
Leadership-behavior in high-tech-cockpits (A 320) p 500 A95-95116
LEAF AREA INDEX
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels p 361 A95-82587
LEAKAGE
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
Methods for measurement and control of leakage in CELSS and their application and performance in the biosphere 2 facility p 515 A95-93802
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179
LEARNING
Experiential learning in crew resource management p 500 A95-95114
Self-analysis of LOFT as a strategy for learning CRM in undergraduate flight training p 500 A95-95117
LOS/LOFT debriefing skills and techniques p 500 A95-95119
Anxiety and eye-hands-legs coordination in young pilots p 502 A95-95133
New diagnostic tools for measuring learning behavior in pilot trainees p 503 A95-95146
Some implications of pilots' approaches to learning p 503 A95-95149
Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory
[AD-A282122] p 17 N95-11337
Learning effects on strategy selection in a dynamic task environment as a function of time pressure
[AD-A285458] p 212 N95-19538
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909
Hippocampal place fields, the internal compass, and the learning of landmark stability
[AD-A289406] p 381 N95-27100
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance
[AD-A293798] p 512 N95-31585
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609
LEARNING THEORY
Vision, learning, and development
[TR-492-REV] p 95 N95-15787
Learning effects on strategy selection in a dynamic task environment as a function of time pressure
[AD-A285458] p 212 N95-19538
LEAST SQUARES METHOD
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
LEAVES
Mechanics and form of the maize leaf: In vivo qualification of flexural behavior
[BTN-94-EIX94461400303] p 141 A95-65315
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean
[NASA-CR-197098] p 141 N95-15961
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383
LECTURES
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546
LEG (ANATOMY)
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
Differential effects of voluntary and involuntary activation on contractile characteristics of two human muscles
[HTN-95-10124] p 64 A95-61975
Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
L-(+)-lactate infusion into working dog gastrocnemius: No evidence lactate per se mediates V(O2) slow component
[HTN-95-60039] p 69 A95-62147
Advantage of normalizing force production to myofibrillar protein in skeletal muscle cross-sectional area
[HTN-95-60044] p 70 A95-62152
Suitability of 2-deoxyglucose for in vitro measurement of glucose transport activity in skeletal muscle
[HTN-95-60045] p 70 A95-62153
Structural response of growing bone to exercise and disuse
[HTN-95-60047] p 71 A95-62155
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040
Effects of altered muscle activation on oxidation enzyme activity in rat alpha-motoneurons
[HTN-95-50858] p 235 A95-73048
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
Electromyographic evaluation of joint angle specificity and cross-training after isometric training
[HTN-95-A0604] p 273 A95-74305
Differential response of macrophage subpopulations to soleus muscle reloading after rat hindlimb suspension
[HTN-95-A0612] p 275 A95-74313
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846
LEGUMINOUS PLANTS
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
LENSES
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles p 409 A95-87492
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338
Dark focus of accommodation as dependent and independent variables in visual display technology p 154 N95-16758
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390
LESIONS
Theoretical modeling of ocular tissue damage by short pulse laser
[AD-A280928] p 16 N95-10533
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801
Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties p 166 N95-19435
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436
Sarcoidosis in US military aviators p 166 N95-19438
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach
[AD-A293742] p 493 N95-31570
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789
LETHALITY
Health hazards assessment for blast overpressure exposures
[AD-A283352] p 158 N95-17998
LEUCINE
Evolution of the tRNA cloverleaf structure — Abstract only p 117 A95-63815
NMR studies on the weak interactions between amino acids and nucleotides — Abstract only p 126 A95-63853
Evolution of biosynthesis of hydrophobic amino acids — Abstract only p 132 A95-63879
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
LEUKEMIAS
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
LEUKOCYTES
Leukocyte kinetics in pulmonary microcirculation: Intravital fluorescence microscopic study
[HTN-95-10074] p 51 A95-61925

Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs
[HTN-95-70478] p 225 A95-71500
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
Differential response of macrophage subpopulations to soleus muscle reloading after rat hindlimb suspension
[HTN-95-A0612] p 275 A95-74313
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
[HTN-95-00430] p 327 A95-81947
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529
Effect of space flight on the immune system in man p 437 A95-88565
Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435

LEVERS
Portable seat lift
[NASA-CASE-MFS-28610-1] p 23 N95-11394

LIBRARIES
National Library of Medicine programs and services, fiscal year 1991
[PB94-188026] p 158 N95-17949
National Library of Medicine programs and services, fiscal year 1992
[PB94-188034] p 158 N95-17950

LICENSING
Human factors training for the new joint European (JAA) pilot licences p 504 A95-95151

LIFE CYCLE COSTS
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642

LIFE DETECTORS
Considerations of extraterresterial life p 403 A95-82618

LIFE SCIENCES
Educational opportunities within the NASA specialized center of research and training in gravitational biology
[ISBN 0-08-042485-6] p 12 A95-60687
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NASA's Space Life Sciences Training Program
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Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes
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Aerospace medicine and biology: A continuing bibliography with indexes (supplement 393)
[NASA-SP-7011(393)] p 17 N95-11405
Abstracts from the International Conference on Nuclear Analytical Methods in the Life Sciences
[DE94-621923] p 27 N95-11728
JPRS report: Science and technology. Central Eurasia: Life sciences
[JPRS-ULS-93-012] p 31 N95-11744
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 394)
[NASA-SP-7011(394)] p 34 N95-13230
Life Sciences Centrifuge Facility assessment
[NASA-CR-196848] p 30 N95-13423
Life Sciences Centrifuge Facility review
[NASA-CR-196849] p 41 N95-13702
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395)
[NASA-SP-7011(395)] p 91 N95-15304
BioServe space technologies: A NASA Center for the Commercial Development of Space
[NASA-CR-196983] p 141 N95-16034
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396)
[NASA-SP-7011(396)] p 158 N95-17703
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 398)
[NASA-SP-7011(398)] p 160 N95-19239
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 397)
[NASA-SP-7011(397)] p 210 N95-19746
Annual program analysis of the NASA Space Life Sciences Research and Education Support Program
[NASA-CR-197298] p 247 N95-21529
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399)
[NASA-SP-7011(399)] p 256 N95-21947
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 400)
[NASA-SP-7011(400)] p 352 N95-24464
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 401)
[NASA-SP-7011(401)] p 354 N95-25800
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818
Life sciences program
[NASA-CR-197658] p 432 N95-30292

LIFE SPAN
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237

LIFE SUPPORT SYSTEMS
The NASA Ames Controlled Environment Research Chamber - Present status
[SAE-TP-941488] p 22 A95-60150
Bio-regenerative life support systems for human planetary missions --- Abstract only p 145 A95-63898
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Oxygen sensor development for life support
[BTN-95-EIX95042477107] p 213 A95-68352
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
Life support systems
[AAS PAPER 91-320] p 458 A95-87471
Critical issues for space life sciences p 436 A95-88559
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts
[SAE PAPER 932091] p 459 A95-90338
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
Performance of EVA suit mobility joints influence of driving parameters
[SAE PAPER 932098] p 460 A95-90342
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost
[SAE PAPER 932100] p 460 A95-90344
Microbial control of the space suit assembly for space station freedom
[SAE PAPER 932103] p 461 A95-90347
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
Electrodialysis simulation to achieve optimum current density
[SAE PAPER 932074] p 468 A95-91652
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663
Absorption and steam desorption performance of weak base anion exchange resin
[HTN-95-93119] p 523 A95-95620
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 394)
[NASA-SP-7011(394)] p 34 N95-13230
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395)
[NASA-SP-7011(395)] p 91 N95-15304
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396)
[NASA-SP-7011(396)] p 158 N95-17703
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 398)
[NASA-SP-7011(398)] p 160 N95-19239
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 397)
[NASA-SP-7011(397)] p 210 N95-19746
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399)
[NASA-SP-7011(399)] p 256 N95-21947
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 400)
[NASA-SP-7011(400)] p 352 N95-24464
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 403)
[NASA-SP-7011(403)] p 451 N95-29190

LIGANDS
How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501
Self-assembly of a double-helical complex of sodium
[BTN-94-EIX94401310330] p 305 A95-76505
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148

LIGHT (VISIBLE RADIATION)
Plant-module for autonomous space-support (p-mass). p 476 A95-93766

Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce
p 479 A95-93793
Spectral quality may be used to alter plant disease development in CELSS p 482 A95-93811
Phase-shifting effects of light and activity on the human circadian clock
[AD-A281204] p 156 N95-16796
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342
Photobiology in medicine
[AD-A284843] p 210 N95-19695

LIGHT BEAMS
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848

LIGHT EMISSION
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995

LIGHT EMITTING DIODES
Physiological and genetic characterization of plant growth and gravitropism in LED light sources
p 143 N95-18173

LIGHT IONS
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727

LIGHT SCATTERING
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence
p 435 A95-87832
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338

LIGHT SOURCES
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
Physiological and genetic characterization of plant growth and gravitropism in LED light sources
p 143 N95-18173

LIGHT TRANSMISSION
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524

LIGHTNING
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320

LIGNIN
Seedling growth and development on space shuttle
p 475 A95-93760
Rational enzyme redesign
[DE94-014565] p 29 N95-12677

LIMBS (ANATOMY)
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin
[HTN-95-10069] p 50 A95-61920
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles
p 409 A95-87492
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528

LINEAR ACCELERATORS
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854

LINEAR ENERGY TRANSFER (LET)
HZE reactions and data-base development
p 350 A95-81444
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934
Estimation of spatially restricted LET using track structure models p 527 N95-32722

LINEAR EQUATIONS
The need to scale for differences in body size and mass: An explanation of Kleiber's 0.75 mass exponent
[HTN-95-70499] p 230 A95-71521

LINEAR QUADRATIC GAUSSIAN CONTROL
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329

LINGUISTICS
Factors in human-computer interface design (a pilot study)
[AD-A288908] p 402 N95-27195

LINKAGES
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329
Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907

LIPID METABOLISM
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963
Superresistance against hypoxia after preliminary adaptation to repeated stress
[HTN-95-70071] p 75 A95-62513
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
Ca(2+) and lipolysis in adipocytes from exercise-trained rats
[HTN-95-70462] p 221 A95-71484
TNF potentiates PAF-induced pulmonary vasoconstriction in the rat: Role of neutrophils and thromboxane A(sub 2)
[HTN-95-70497] p 229 A95-71519
Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041
Free fatty acid metabolism in aerobically fit individuals
[HTN-95-50863] p 236 A95-73053
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
State of erythrocyte membrane in man and monkeys after space flight p 432 A95-87511
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat
p 418 A95-88593

LIPIDS
Formation and vesiculation of biomembranes during spaceflight
[ISBN 0-08-042485-6] p 4 A95-60645
Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932
Molecular modelling of cellular and precellular membrane systems — Abstract only
p 125 A95-63849
The formation of 'minimal protocell': Thermodynamical and mechanical aspects — Abstract only
p 125 A95-63851
Lipids of archaebacteria — Abstract only
p 140 A95-63924
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble
[HTN-95-A0114] p 198 A95-68897
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
Studies of the interaction of gravity with biological membranes using alamethicin doped planar lipid bilayers as a model system p 411 A95-87506
Liposome formation in microgravity
p 412 A95-87507
State of erythrocyte membrane in man and monkeys after space flight p 432 A95-87511
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
Membrane phase separations, asymmetry and implications in the origin of life
[DE94-628486] p 308 N95-23050
Electrical and electronic properties of self-assembled lipid bilayers
[AD-A290507] p 431 N95-29155

LIPOPROTEINS
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075

LIQUID COOLING
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370

LIQUID PHASES
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398

LIQUID ROCKET PROPELLANTS
Toxicity assessment of liquid propellant XM46
p 387 N95-28319

LIQUID-LIQUID INTERFACES
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728

LIQUID-SOLID INTERFACES
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728

LIVER
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154
In vitro system for studying metabolism of environmental chemicals in human cells
[AD-A284174] p 159 N95-18518
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-28519

LOAD DISTRIBUTION (FORCES)
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866

LOADS (FORCES)
Advantage of normalizing force production to myofibrillar protein in skeletal muscle cross-sectional area
[HTN-95-60044] p 70 A95-62152
Structural response of growing bone to exercise and disuse
[HTN-95-60047] p 71 A95-62155
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
Training-related enhancement in the control of motor output in elderly humans
[HTN-95-70457] p 220 A95-71479
Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
Adverse effect of hyperinflation on parasternal intercostals
[HTN-95-50853] p 234 A95-73043
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
Effects of N-acetylcysteine on in vitro diaphragm function are temperature dependent
[HTN-95-50874] p 239 A95-73064
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
Force and contractile characteristics after stretch overload in quail anterior latissimus dorsi muscle
[HTN-95-A0596] p 271 A95-74297

Electromyographic evaluation of joint angle specificity and cross-training after isometric training
[HTN-95-A0604] p 273 A95-74305
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering
[HTN-95-A0623] p 278 A95-74324
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336
Effects of lung volume and surface forces on maximal airway smooth muscle shortening
[HTN-95-A0650] p 285 A95-74351
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
Interactive effects of K(+), acidosis, and catecholamines on isolated rabbit heart; implications for exercise
[HTN-95-A0695] p 295 A95-75264
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials
[HTN-95-A0700] p 296 A95-75269
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
Force based motion control of a walking machine
[PB95-129672] p 264 N95-20276
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428

LOCAL AREA NETWORKS
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811

LOCI
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913

LOCOMOTION
Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
The reaction of Xenopus laevis Daudin (South African toad) to linear accelerations
[ISBN 0-08-042485-6] p 8 A95-60666
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait
[HTN-95-21598] p 374 A95-83383
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
Effect of antiorthostatic BedRest (BR) on GastroIntestinal Motility (GIM) of normal subjects p 153 N95-16753
Perception and control of locomotion
[AD-A285605] p 262 N95-21192

LOGIC CIRCUITS
Constructing visual perception
[HTN-95-81495] p 375 A95-85209

LOGIC PROGRAMMING
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205

LOGISTICS
US Coast Guard Human Systems Integration (HSI) process model
[AD-A289172] p 400 N95-26612

LONG DURATION SPACE FLIGHT
The NASA Ames Controlled Environment Research Chamber - Present status
[SAE-TP-941488] p 22 A95-60150
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
A review of muscle atrophy in microgravity and during prolonged bed rest
[HTN-95-90825] p 250 A95-71340
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
The effects of prolonged weightlessness and reduced gravity environments on human survival
[HTN-95-90827] p 250 A95-71342
Radiation environment during the long space mission (Mars) due to galactic cosmic rays p 349 A95-81432
Radiation protection for human interplanetary spaceflight and planetary surface operations p 350 A95-81451
Remote medical systems for the human exploration of space
[AAS PAPER 91-321] p 458 A95-87472
Cardiovascular system and its regulation in space flights p 439 A95-88577
Countermeasure development to space adaptation p 439 A95-88578
NASA's extended duration orbiter medical program p 441 A95-88586
Interior design for international teams serving long term in an extreme environment: A problem statement p 24 N95-11609
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1) p 84 N95-14224
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751
Psychological training of NASA astronauts for extended missions p 171 N95-16763
Artificial gravity: How much, how often, how long? p 178 N95-16778
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
Life sciences program
[NASA-CR-197658] p 432 N95-30292
Characterization of microgravity effects on bone structure and strength using fractal analysis p 531 N95-32419

LONG TERM EFFECTS
How are control systems controlled?
[HTN-95-42103] p 388 A95-83869
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Strength training as a counter-measure for microgravity effects p 18 N95-11608
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821

LOOPS
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700

LOSSES
Photoreceptors regulating circadian behavior: A mouse model
[AD-A285157] p 157 N95-16847

LOSSY MEDIA
Deeper-penetrating waves in lossy media p 424 A95-90934

LOW ALTITUDE
Navigational demands of low-level helicopter flight p 506 A95-95171
Visual system operational evaluation
[AD-A289173] p 392 N95-27012

LOW COST
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148

LOW TEMPERATURE
Stability of microorganisms isolated from the stratosphere and the mesosphere to the action of low and ultralow temperatures
[HTN-95-41639] p 319 A95-78734
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016

LOW TEMPERATURE ENVIRONMENTS
Revival of the concept of cold prehistory of life --- Abstract only p 128 A95-63865
The physical nature of Titan's aerosols: Laboratory simulations p 193 A95-66794
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802

LOW VISIBILITY
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214

LOWER BODY NEGATIVE PRESSURE
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Countermeasure development to space adaptation p 439 A95-88578
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
NASA's extended duration orbiter medical program p 441 A95-88586
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1) p 84 N95-14224
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131

Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity p 90 N95-15138
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure [AD-A290521] p 452 N95-29360

LUMBAR REGION
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G [AGARD-AR-317] p 103 N95-14263

LUMINANCE
Effects of lighting and task parameters on visual acuity and performance [PB94-179231] p 19 N95-10236
An empirical approach to visual display preference based upon modulation transfer function and luminance [AD-A285450] p 178 N95-16875
The spatiotemporal characteristics of visual motion priming [AD-A284782] p 261 N95-20062
Luminance effects on visual acuity and small letter contrast sensitivity [AD-A293310] p 511 N95-31140

LUMINESCENCE
Fiber-optic luminescence probes for biomedical studies [HTN-95-61166] p 399 A95-86265

LUMINOUS INTENSITY
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
Night Vision Goggles (NVG) software user's guide, version 5.1 [AD-A284563] p 179 N95-18029

LUNAR BASES
Atmospheric pressure within lunar structure [BTN-95-EIX95032452326] p 213 A95-68263
Design and construction of shielded lunar outpost [BTN-95-EIX95032452328] p 213 A95-68265
Feasibility study of inflatable structures for a lunar base [BTN-95-EIX95041503792] p 213 A95-69223
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts [SAE PAPER 932091] p 459 A95-90338
Investigation of lunar base thermal control system options [SAE PAPER 932112] p 462 A95-90353
High-temperature waste heat driven cooling using sorption media [SAE PAPER 932113] p 462 A95-90354
Moderate temperature control technology for a lunar base [SAE PAPER 932114] p 462 A95-90355
Thermal, mass, and power interactions for lunar base life support and power systems [SAE PAPER 932115] p 462 A95-90356
Engineering strategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system [SAE PAPER 932062] p 466 A95-91641
Life support technology investment strategies for flight programs: An application of decision analysis [SAE PAPER 932064] p 467 A95-91642
Environmental control and life support system selection for the first Lunar outpost habitat [SAE PAPER 932065] p 467 A95-91643
Lunar base CELSS design and analysis p 514 A95-93773
Interior design for international teams serving long term in an extreme environment: A problem statement p 24 N95-11609
Use of the underground for extreme environments p 24 N95-11610
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615
Habitat for short duration lunar mission p 25 N95-11616
Thermal control systems for low-temperature heat rejection on a lunar base [NASA-CR-197486] p 176 N95-16418
Life support systems analysis and technical trades for a lunar outpost [NASA-TM-109927] p 314 N95-23194

LUNAR ENVIRONMENT
Design and construction of shielded lunar outpost [BTN-95-EIX95032452328] p 213 A95-68265

LUNAR EXPLORATION
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991 [ISBN 0-306-44418-6] p 349 A95-81431
Space radiation issues within the Space Exploration Initiative (SEI) p 321 A95-81454
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design [NASA-TM-108846] p 37 N95-11905
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970

LUNAR RESOURCES
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts [SAE PAPER 932091] p 459 A95-90338

LUNAR SHELTERS
Design and construction of shielded lunar outpost [BTN-95-EIX95032452328] p 213 A95-68265

LUNAR SOIL
Use of lunar regolith as a substrate for plant growth p 483 A95-93816

LUNAR SURFACE
Design and construction of shielded lunar outpost [BTN-95-EIX95032452328] p 213 A95-68265
Thermal control systems for low-temperature heat rejection on a lunar base [NASA-CR-197486] p 176 N95-16418

LUNG MORPHOLOGY
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes [HTN-95-60056] p 73 A95-62164
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree [HTN-95-A0121] p 200 A95-68904
Influence of lung volume dependence of upper airway resistance during continuous negative airway pressure [HTN-95-A0138] p 204 A95-68921
Respiratory response to inhaled CO2 during positive inspiratory pressure in humans [HTN-95-A0141] p 205 A95-68924
Regional diaphragm shortening measured by sonomicrometry [HTN-95-70492] p 228 A95-71514
Inferences on passive diaphragm mechanics from gross anatomy [HTN-95-50888] p 242 A95-73078
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig [HTN-95-50892] p 243 A95-73082
Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs [HTN-95-A0662] p 287 A95-74363
Lung volumes during sustained microgravity on Spacelab SLS-1 [HTN-95-A0676] p 310 A95-74377
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats [HTN-95-A0688] p 293 A95-75257
T model partition of lung and respiratory system impedances [HTN-95-00427] p 326 A95-81944
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity [HTN-95-00437] p 329 A95-81954
Dynamic measurement of tracheal diameter in dogs [HTN-95-91875] p 334 A95-81977
Heart-lung interactions determined by electron beam X-ray CT in laterally recumbent rabbits [HTN-95-91879] p 334 A95-81981
Determinants of airway smooth muscle shortening in exised canine lobes [HTN-95-91902] p 340 A95-82004
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air p 31 N95-11806

LUNGS
Influence of hypoxia and serotonin on small pulmonary vessels [HTN-95-10073] p 51 A95-61924
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts [HTN-95-10090] p 55 A95-61941
Effect of increasing flow on distribution of pulmonary capillary transit times [HTN-95-10101] p 58 A95-61952
Human lung impedance from spontaneous breathing frequencies to 32 Hz [HTN-95-10117] p 62 A95-61968
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty [HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses [HTN-95-10129] p 65 A95-61980
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes [HTN-95-60056] p 73 A95-62164
Tidal volume and alveolar clearance of insoluble particles [HTN-95-60057] p 74 A95-62165
Analyzing (13)NN lung washout curves in the presence of intraregional nonuniformities [HTN-95-60059] p 74 A95-62167
Estimation of extravascular lung water in humans with use of 2H20: Effect of blood flow and central blood volume [HTN-95-70102] p 82 A95-62544
Developmental differences in vascular responses to hypoxia in lungs of rabbits [HTN-95-A0104] p 196 A95-68887
Regional lung hematocrit variation and assessment of acute lung injury [HTN-95-A0111] p 198 A95-68894
Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow [HTN-95-A0112] p 198 A95-68895
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble [HTN-95-A0114] p 198 A95-68897
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data [HTN-95-A0125] p 201 A95-68908
Diameters of juxtacapillary venules determined by oil-drop method in rat lung [HTN-95-A0126] p 201 A95-68909
Pulmonary vascular resistance distribution and recruitment of microvascular surface area [HTN-95-A0139] p 204 A95-68922
Chest wall interrupter resistance in anesthetized paralyzed humans [HTN-95-A0142] p 205 A95-68925
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease [HTN-95-A0150] p 207 A95-68933
Surface activity of lipid extract surfactant in relation to film area compression and collapse [HTN-95-A0151] p 207 A95-68934
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume [HTN-95-A0153] p 208 A95-68936
Evans blue dye in the assessment of permeability-surface area product in perfused rat lungs [HTN-95-A0155] p 208 A95-68938
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats [HTN-95-70477] p 224 A95-71499
Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs [HTN-95-70478] p 225 A95-71500
Role of nonenzymatically generated prostanoid, 8-iso-PGF(sub 2 alpha) in pulmonary oxygen toxicity [HTN-95-70479] p 225 A95-71501
Altered mechanical properties of lung parenchyma in postobstructive pulmonary vasculopathy [HTN-95-70484] p 226 A95-71506
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing [HTN-95-70486] p 227 A95-71508
Dynamic surface tension of surfactant TA: Experiements and theory [HTN-95-70487] p 227 A95-71509
Effects of acute lung injury on dynamic tissue properties [HTN-95-70488] p 227 A95-71510
One-dimensional simulation of aerosol transport and deposition in the human lung [HTN-95-70494] p 228 A95-71516
Time course of blood volume changes in an isolated lung lobe after venous pressure elevation [HTN-95-70496] p 229 A95-71518
Effect of chronic hypoxia on pulmonary vascular pressures in isolated lungs of newborn pigs [HTN-95-70498] p 229 A95-71520
Adverse effect of hyperinflation on parasternal intercostals [HTN-95-50853] p 234 A95-73043
Vitamin E does not prevent exercise-induced increase in pulmonary clearance [HTN-95-50855] p 234 A95-73045
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog [HTN-95-50870] p 238 A95-73060

Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig
[HTN-95-50892] p 243 A95-73082
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs
[HTN-95-A0597] p 272 A95-74298
Recovery from increased pressure or increased leakiness edema in perfused sheep lungs
[HTN-95-A0602] p 273 A95-74303
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318
Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
Effects of lung volume and surface forces on maximal airway smooth muscle shortening
[HTN-95-A0650] p 285 A95-74351
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs
[HTN-95-A0662] p 287 A95-74363
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Structural composition of lung parenchymal strip and mechanical behavior during sinusoidal oscillation
[HTN-95-A0680] p 291 A95-74381
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials
[HTN-95-A0700] p 296 A95-75269
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
A buoyancy-driven squeeze-film model of intrapleural fluid dynamics: Basic concepts
[HTN-95-A0733] p 304 A95-75302
Measurement of high volumes by nitrogen washout method
[HTN-95-A0734] p 304 A95-75303
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
Fractal analysis of surfactant deposition in rabbit lungs
[HTN-95-00418] p 324 A95-81935
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
Flow pulsatility does not increase mean microvascular pressure or filtration in zone 3 rabbit lungs
[HTN-95-00424] p 325 A95-81941
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
Gas density does not affect pulmonary acoustic transmission in normal men
[HTN-95-00426] p 326 A95-81943
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00428] p 326 A95-81945
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
[HTN-95-00440] p 329 A95-81957
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
Heart-lung interactions determined by electron beam X-ray CT in laterally recumbent rabbits
[HTN-95-91879] p 334 A95-81981
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
Intra-airway CO2 distribution during airway insufflation in ventilatory failure
[HTN-95-91895] p 338 A95-81997
Determinants of airway smooth muscle shortening in exised canine lobes
[HTN-95-91902] p 340 A95-82004
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry
[HTN-95-21569] p 367 A95-83354
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801
Carbon monoxide does not modulate pulmonary vascular reactivity in isolated rat lungs
[AD-A283190] p 143 N95-17714
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20074
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627

LYMPH
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
Recovery from increased pressure or increased leakiness edema in perfused sheep lungs
[HTN-95-A0602] p 273 A95-74303

LYMPHOCYTES
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
Sex as a determining factor in the effect of exercise on in vivo autoimmune response adjuvant arthritis
[HTN-95-10116] p 62 A95-61967
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading
[HTN-95-A0113] p 198 A95-68896
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
Effect of muscular exercise on chronic relapsing experimental autoimmune encephalomyelitis
[HTN-95-50862] p 236 A95-73052
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
Effect of space flight on the immune system in man p 437 A95-88565
Lymphocyte experiment on SLS-1 p 442 A95-88596
Treatment of murine lupus with CTLA4Ig
[BTN-95-EIX95302460580] p 488 A95-94245
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
Studies of altered response to infection induced by severe injury
[AD-A288907] p 450 N95-29139

LYSINE
NMR studies on the weak interactions between amino acids and nucleotides --- Abstract only p 126 A95-63853

LYSOZYME
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process
[BTN-94-EIX94341340604] p 105 A95-63569

M

MACHINE LEARNING
Supervised learning without output labels
[TR-510-REV] p 94 N95-15588
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642

Vision, learning, and development
[TR-492-REV] p 95 N95-15787
Designing the architecture of hierachical neural networks model attention, learning and goal-oriented behavior
[AD-A279898] p 264 N95-20562
Interaction and intelligent behavior
[AD-A290049] p 457 N95-29443

MACROMOLECULES
An evolutionary game with biased dice
[HTN-95-41641] p 319 A95-78736
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems
[DE95-000859] p 247 N95-21366
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963

MACROPHAGES
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading
[HTN-95-A0113] p 198 A95-68896
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
[HTN-95-00430] p 327 A95-81947
Effect of fluoride on cardiopulmonary function and release of eicosanoids in pigs
[HTN-95-91898] p 339 A95-82000
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529
Lymphocyte experiment on SLS-1 p 442 A95-88596
Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435

MAGNESIUM
Specific effect of magnesium ion on AMP synthesis from adenosine and trimetaphosphate in aqueous solution — Abstract only p 107 A95-63758
Oligomerization of a nucleotide analog related to barbituric acid — Abstract only p 115 A95-63804
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729

MAGNETIC EFFECTS
Biological interactions and human health effects of static magnetic fields
[DE95-003147] p 311 N95-24145
Interaction mechanisms and biological effects of static magnetic fields
[DE95-004929] p 347 N95-26169

MAGNETIC FIELDS
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348
Biological interactions and human health effects of static magnetic fields
[DE95-003147] p 311 N95-24145
Interaction mechanisms and biological effects of static magnetic fields
[DE95-004929] p 347 N95-26169

MAGNETIC MEASUREMENT
Magnetic source imaging of visually evoked and oscillatory electrical activity of the human brain
[PB95-127205] p 258 N95-22476

MAGNETIC RESONANCE
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes
[HTN-95-60056] p 73 A95-62164
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
Simulation of arthroscopic surgery using MRI data p 145 N95-15975
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971

MAGNETIC STORMS
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775

MAGNETITE
Magnetite: What it reveals about the origin of the banded iron formations — Abstract only p 128 A95-63862
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765

MAGNETOCARDIOGRAPHY
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371

MAGNETOMECHANICS (PHYSICS)
Biological interactions and human health effects of static magnetic fields
[DE95-003147] p 311 N95-24145
Interaction mechanisms and biological effects of static magnetic fields
[DE95-004929] p 347 N95-26169

MAGNETOMETERS
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371

MAIN SEQUENCE STARS
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659

MAINTENANCE
The effects of Crew Resource Management (CRM) training in airline maintenance: Results following three year's experience
[NASA-CR-196696] p 394 N95-28676

MAINTENANCE TRAINING
Validating the impact of maintenance CRM training p 500 A95-95118
The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610

MALES
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300

MAMMALS
Mammalian cell cultivation in space p 27 A95-61564
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
Are otoconia dynamic in birds and mammals? p 43 N95-15103
Neuronal types in the chicken's statoacoustic ganglion p 44 N95-15116
Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851
AASERT-92 augmentation of research training in chronobiology: Regulation of the mammalian circadian clock by neurotransmitters
[AD-A288243] p 487 N95-31144
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728

MAMMARY GLANDS
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421282962] p 349 A95-78962
Principles of constructing an expert system for medical thermal vision
[HTN-95-61164] p 399 A95-86263
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144

MAN MACHINE SYSTEMS
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
Minimizing human-machine interface failures in high risk systems
[BTN-95-EIX95042474623] p 213 A95-68277
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427
Information presentation for expert systems in future fighter aircraft
[HTN-95-92291] p 397 A95-85335
Effects of aging, skill modification, and demand alternation on multiple-task performance
[HTN-95-B0110] p 378 A95-85926
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
Ergonomics in laser system design p 458 A95-87846
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
Blending people and technology
[CONGRESS PAPER C428-14-203] p 469 A95-91709
Information presentation for expert systems in future aircraft cockpits p 516 A95-95038
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
Effect of task load and task load increment on performance and workload p 519 A95-95058
Operator versus computer control of adaptive automation p 519 A95-95059
Task specific effects of automation and automation failure on performance, workload, and situation awareness p 519 A95-95060
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
The role of expert systems in future cooperative tools for air traffic controllers p 521 A95-95089
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
Tracking the visual scan of air traffic controllers p 522 A95-95166
The effect of taskload projection on automation use, performance, and workload p 523 A95-95181
The effects of boredom on reaction time in the cockpit p 510 A95-95209
Design issues of human operator support systems
[PB94-191376] p 36 N95-11778
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 394)
[NASA-SP-7011(394)] p 34 N95-13230
Human Machine Interfaces for Teleoperators and Virtual Environments
[NASA-CP-10071] p 96 N95-14013

Tactual interfaces: The human perceiver p 96 N95-14016
The display of tactile information p 96 N95-14017
Analysis of the human operator subsystems p 97 N95-14019
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
Man-machine interfaces in health care p 97 N95-14029
Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
Creating better virtual worlds p 98 N95-14031
Interacting with virtual worlds p 98 N95-14032
Virtual reality at work p 98 N95-14033
Virtual acoustic displays p 98 N95-14035
The Teleprasenz Consortium: Structure and intentions p 99 N95-14039
A high performance two degree-of-freedom kinesthetic interface p 99 N95-14042
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044
Objective evaluation of situation awareness for dynamic decision makers in teleoperations p 100 N95-14047
Human operator tracking performance with a vibrotactile display p 100 N95-14049
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050
On the role of exchange of power and information signals in control and stability of the human-robot interaction p 101 N95-14051
Human-machine interface hardware: The next decade p 101 N95-14055
Manual discrimination of force p 102 N95-14057
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
Destabilizing effects of visual environment motions simulating eye movements or head movements p 103 N95-14061
Human factors considerations for remote manipulation p 103 N95-14949
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395) [NASA-SP-7011(395)] p 91 N95-15304
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2 [DE94-014513] p 104 N95-15309
Towards a human operator model of the navigator [PB94-197985] p 179 N95-17468
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396) [NASA-SP-7011(396)] p 158 N95-17703
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 398) [NASA-SP-7011(398)] p 160 N95-19239
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 397) [NASA-SP-7011(397)] p 210 N95-19746
13th European Annual Conference on Human Decision Making and Manual Control [PB95-132874] p 262 N95-21284
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1 [AD-A286426] p 265 N95-21566
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399) [NASA-SP-7011(399)] p 256 N95-21947
Fuzzy clustering of facial form for prototyping environmental protection equipment [DE94-014657] p 267 N95-22466
Human-centered design of human-computer-human dialogs in aerospace systems [NASA-CR-197379] p 313 N95-22797
Telepresence control of a dual-arm dexterous robot p 316 N95-23735
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 400) [NASA-SP-7011(400)] p 352 N95-24464
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 401) [NASA-SP-7011(401)] p 354 N95-25800
US Coast Guard Human Systems Integration (HSI) process model [AD-A289172] p 400 N95-26612
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 403) [NASA-SP-7011(403)] p 451 N95-29190
Improved operator awareness of teleoperated land vehicle attitude [AD-A290443] p 471 N95-29359
Human factors at the FAA Technical Center: Bibliography [AD-A288638] p 525 N95-31399
Functional requirements analysis and human machine interface specifications for handheld metal detector wands [DE95-009845] p 536 N95-32535
Stimulus-response compatibility [PB95-214722] p 537 N95-33237
Human piloting factors in the design of control laws for precision landing p 537 N95-33605
Human Factors Certification of Advanced Aviation Technologies [NASA-CR-199009] p 540 N95-34764
On the use of the systems approach to certify advanced aviation technologies p 540 N95-34765
A psychologist's view of validating aviation systems p 540 N95-34767
Certification of tactics and strategies in aviation p 541 N95-34768
Certify for success: A methodology for human-centered certification of advanced aviation systems p 541 N95-34773
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776
Towards a framework of human factors certification of complex human-machine systems p 542 N95-34779
The successful management of programs for human factors certification of advanced aviation technologies p 543 N95-34780
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782
Improving air traffic control: Proving new tools or approving the joint human-machine system? p 543 N95-34783
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

MANAGEMENT
Error in time management during fighting mission p 496 A95-95074
Cockpit attention and task management: Situation awareness in the tactical fighter p 508 A95-95186
Cockpit task management errors in a simulated flight operation p 509 A95-95196
Cockpit task management errors in critical in-flight incidents p 510 A95-95197

MANAGEMENT INFORMATION SYSTEMS
AMDRS: A resource for intelligent aeromedical decision-making p 162 N95-19419
Design considerations for FrankTalk: A distributed group support system [AD-A289386] p 401 N95-26863

MANAGEMENT METHODS
Situational awareness in complex systems [AD-A281448] p 168 N95-15959
Alertness management in two-person long-haul flight operations p 170 N95-16760
The Clinical Basis for Aeromedical Decision Making [AGARD-CP-553] p 161 N95-19413
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop [PB95-184941] p 392 N95-26909
The successful management of programs for human factors certification of advanced aviation technologies p 543 N95-34780

MANAGEMENT SYSTEMS
First demonstration of an alertness monitoring management system [AD-A280858] p 22 N95-10918
Aeromedical risk management for aircrew p 161 N95-19414

MANEUVERS
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126

MANGANESE
Oligomerization of a nucleotide analog related to barbituric acid --- Abstract only p 115 A95-63804

MANIPULATORS
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397
Determination of the mass properties of a manipulator p 356 A95-80399
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
A sliding mode control for two-link flexible manipulator p 394 A95-82463
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Space robot telemanipulation experiment using predictive display p 394 A95-82465
Arm trajectory design of a space robot p 394 A95-82466
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
Teleoperator performance with varying force and visual feedback [HTN-95-B0114] p 398 A95-85930
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach [HTN-95-92509] p 457 A95-87329
Model reference adaptive control for robotic manipulators without velocity measurements [HTN-95-21046] p 465 A95-90423
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators [HTN-95-21049] p 465 A95-90426
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
A high performance two degree-of-freedom kinesthetic interface p 99 N95-14042
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044
On the role of exchange of power and information signals in control and stability of the human-robot interaction p 101 N95-14051
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059
Human factors considerations for remote manipulation p 103 N95-14949
Development of Japanese experiment module remote manipulator system p 315 N95-23708
Dexterous Orbital Servicing System (DOSS) p 316 N95-23723
Telepresence control of a dual-arm dexterous robot p 316 N95-23735
Learning Hand/Eye coordination by an active observer. part 1: Organizing centers [AD-A289502] p 391 N95-26843
Force and vision resolvability for assimilating disparate sensory feedback [AD-A293581] p 512 N95-31685
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control [AD-A293607] p 540 N95-34616

MANNED MARS MISSIONS
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991 [ISBN 0-306-44418-6] p 349 A95-81431
Space radiation issues within the Space Exploration Initiative (SEI) p 321 A95-81454
Radiation health for a Mars mission p 383 A95-82602
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970
Integral habitat transport system [NASA-CR-197156] p 38 N95-12629
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777

MANNED SPACE FLIGHT
Bio-regenerative life support systems for human planetary missions --- Abstract only p 145 A95-63898
Meeting human needs [AAS PAPER 91-313] p 457 A95-87470
Life support systems [AAS PAPER 91-320] p 458 A95-87471
Remote medical systems for the human exploration of space [AAS PAPER 91-321] p 458 A95-87472
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992 [HTN-95-42627] p 436 A95-88558
Critical issues for space life sciences p 436 A95-88559
Duration versus response to space-flight exposure p 437 A95-88563

Effect of space flight on the immune system in man
p 437 A95-88565
Cardiovascular system and its regulation in space flights
p 439 A95-88577
NASA's extended duration orbiter medical program
p 441 A95-88586
Space radiation dosimetry on US and Soviet manned missions
p 347 N95-25934
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875

MANOMETERS
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611

MANPOWER
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175

MANUAL CONTROL
Operator versus computer control of adaptive automation
p 519 A95-95059
Task specific effects of automation and automation failure on performance, workload, and situation awareness
p 519 A95-95060
Adaptive function allocation reduces performance costs of static automation
p 519 A95-95062
A high performance two degree-of-freedom kinesthetic interface
p 99 N95-14042
13th European Annual Conference on Human Decision Making and Manual Control
[PB95-132874] p 262 N95-21284
Task-dependent effects of automation: The role of internal models in performance, workload, and situational awareness in a semi-automated cockpit
[AD-A292538] p 470 N95-28969
The role of the vestibular system in manual target localization
p 533 N95-32422
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles
p 537 N95-33139

MANUALS
Personal computer and workstation operating systems tutorial
[AD-A280132] p 264 N95-20041

MANUFACTURING
Ergonomics in laser system design
p 458 A95-87846
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
Body dimensions for apparel
[PB94-187739] p 37 N95-11908

MARANGONI CONVECTION
Interaction of exogenous and endogenous surfactant: Spreading-rate effects
[HTN-95-91921] p 345 A95-82023

MARINE BIOLOGY
A 'crytic' microbial mat: A new model ecosystem for extant life on Mars
p 192 A95-66781
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404
C.E.B.A.S. mini module: Test results of an artificial (man-made) aquatic ecosystem
p 477 A95-93771

MARINE CHEMISTRY
Nitrogen isotopic composition of organic matter: Chemical fossils in Precambrian cherts — Abstract only
p 127 A95-63861

MARINE ENVIRONMENTS
C.E.B.A.S. mini module: Test results of an artificial (man-made) aquatic ecosystem
p 477 A95-93771

MARKERS
The value of the 4-day headdown bedrest model for screening countermeasures
p 156 N95-16782

MARKING
Influence of warning label signal words on perceived hazard level
[HTN-95-B0069] p 390 A95-85885

MARKOV CHAINS
Open problems of computational molecular biology
[DE95-000895] p 306 N95-22866

MARKOV PROCESSES
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552

MARS (PLANET)
Feasibility of an integrated X-ray instrument for Mars exobiology and geology — Abstract only
p 185 A95-63892
The in situ exobiological investigation of the Martian surface mineralogy during unmanned missions — Abstract only
p 185 A95-63893
An exobiology science strategy for Mars exploration — Abstract only
p 186 A95-63901
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Exobiological exploration of Mars p 215 A95-66770
Site selection for Mars exobiology
p 215 A95-66771
Life on Mars? 1: The chemical environment
p 215 A95-66772
Life on Mars? 2: Physical restrictions
p 215 A95-66773
Chemical studies on the possible existence of life on Mars
p 216 A95-66774
Phosphorus as a potential guide in the search for extinct life on Mars
p 216 A95-66775
Search for life on Mars: Evaluation of techniques
p 216 A95-66776
Biochemical constraints for survival under martian conditions
p 192 A95-66778
Studies in the search for life on Mars
p 192 A95-66779
Biogeochemical evidence of microbial activity on Mars
p 192 A95-66780
A 'crytic' microbial mat: A new model ecosystem for extant life on Mars
p 192 A95-66781
A physical and chemical characterization of Martian permafrost as a possible habitat for viable microorganisms
p 216 A95-66782
Preservation of cell structures in permafrost: A model for exobiology
p 192 A95-66783
A primitive cyanobacterium as pioneer microorganism for terraforming Mars
p 193 A95-66784
Modern aspects of planetary protection and requirements to sterilization of space hardware
p 216 A95-66785
Designing planetary protection into the Mars observer mission
p 217 A95-66786
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars
p 217 A95-66787
Isotopic ratios in planetary atmospheres
p 218 A95-66806
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
Higher order statistics of planetary gravities and topographies
[HTN-95-20761] p 268 A95-71121
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix
[HTN-95-41642] p 357 A95-78737

MARS ATMOSPHERE
The origin and early evolution of the atmospheres of the inner planets — Abstract only
p 182 A95-63752
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
Exobiological exploration of Mars p 215 A95-66770
Life on Mars? 1: The chemical environment
p 215 A95-66772
Biogeochemical evidence of microbial activity on Mars
p 192 A95-66780
Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859
Dynamics of a terraformed Martian biosphere
[HTN-95-60880] p 358 A95-78860

MARS BASES
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts
[SAE PAPER 932091] p 459 A95-90338
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629

MARS ENVIRONMENT
An exobiology science strategy for Mars exploration — Abstract only
p 186 A95-63901
Life on Mars? 1: The chemical environment
p 215 A95-66772
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments
p 191 A95-66777
Biochemical constraints for survival under martian conditions
p 192 A95-66778
Studies in the search for life on Mars
p 192 A95-66779
A 'crytic' microbial mat: A new model ecosystem for extant life on Mars
p 192 A95-66781
A physical and chemical characterization of Martian permafrost as a possible habitat for viable microorganisms
p 216 A95-66782
Preservation of cell structures in permafrost: A model for exobiology
p 192 A95-66783
A primitive cyanobacterium as pioneer microorganism for terraforming Mars
p 193 A95-66784
Survival rates of terrestrial organisms under simulated solar planetary environments
p 363 A95-82616

MARS EXPLORATION
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Exobiological exploration of Mars p 215 A95-66770
Modern aspects of planetary protection and requirements to sterilization of space hardware
p 216 A95-66785
Designing planetary protection into the Mars observer mission
p 217 A95-66786
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars
p 217 A95-66787
Planetary protection considerations for MarsNet and Mars sample return missions
p 217 A95-66789
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
Medicine on Mars: Remote medical care and the space exploration initiative
p 155 N95-16777

MARS LANDING
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars
p 217 A95-66787

MARS PHOTOGRAPHS
Site selection for Mars exobiology
p 215 A95-66771

MARS PROBES
Feasibility of an integrated X-ray instrument for Mars exobiology and geology — Abstract only
p 185 A95-63892
Exobiological exploration of Mars p 215 A95-66770

MARS SAMPLE RETURN MISSIONS
Planetary protection considerations for MarsNet and Mars sample return missions
p 217 A95-66789

MARS SURFACE
Exobiological exploration of Mars p 215 A95-66770
Site selection for Mars exobiology
p 215 A95-66771
Life on Mars? 2: Physical restrictions
p 215 A95-66773
Biogeochemical evidence of microbial activity on Mars
p 192 A95-66780

MARS SURFACE SAMPLES
The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
Exobiology opportunities from Discovery-class missions — Abstract only
p 184 A95-63890
Feasibility of an integrated X-ray instrument for Mars exobiology and geology — Abstract only
p 185 A95-63892
The in situ exobiological investigation of the Martian surface mineralogy during unmanned missions — Abstract only
p 185 A95-63893
Search for life on Mars: Evaluation of techniques
p 216 A95-66776

MARTINIQUE
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257

MASKING
Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473
Pattern-analysis based models of masking by spatially separated sounds
[AD-A291270] p 453 N95-29933

MASS SPECTROSCOPY
Search for life on Mars: Evaluation of techniques
p 216 A95-66776
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
MASS TRANSFER
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663
MATERIAL BALANCE
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179
MATERIALS HANDLING
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
MATHEMATICAL MODELS
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
A componential model of human interaction with graphs: 1. Linear regression modeling
[HTN-95-B0065] p 389 A95-85881
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
Set of reachable positions for a car
[BTN-95-EIX95332423428] p 516 A95-95019
Simple model for human arm reachable workspace
[BTN-94-EIX94522407598] p 535 A95-96246
Theoretical modeling of ocular tissue damage by short pulse laser
[AD-A280928] p 16 N95-10533
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
The GOMS family of analysis techniques: Tools for design and evaluation
[AD-A285211] p 170 N95-16518
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468
Improved filtration materials and modeling
[AD-A284684] p 180 N95-18531
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Designing the architecture of hierachical neural networks model attention, learning and goal-oriented behavior
[AD-A279898] p 264 N95-20562
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963
Application of compartmental metabolic models for determination of retention and excretion functions
[DE95-600249] p 352 N95-24367
Cognitive diagnosis combined with latent trait theory and multiphase responses
[AD-A288701] p 355 N95-26010
Development of an acuity-based nurse staffing system for the post anesthesia care unit
[AD-A288831] p 384 N95-26494
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program
[DE95-008097] p 387 N95-28136
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
Visual tracking of self-occluding articulated objects
[AD-A292894] p 511 N95-31383
Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436
Automated volumetric grid generation for finite element modeling of human hand joints
[DE95-009575] p 494 N95-32097
Mathematical methods applied to biotechnical processes
[PB95-212114] p 530 N95-33232
MAXIMUM ENTROPY METHOD
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561
MAXWELL EQUATION
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426
MEASUREMENT
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
Development of electrophysiological measures of GA pilot workload p 507 A95-95178
Developing subjective and objective metrics of pilot situation awareness p 508 A95-95183
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
Measurement of flight crew performance for the advanced qualification program p 509 A95-95188
The development of a 'quality' measure of pilot performance p 509 A95-95189
Flight performance measurement utilizing a figure of merit (FOM) p 509 A95-95191
MEASURING INSTRUMENTS
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
Eye accommodation: Use of Vernier optometers in behavioral research
[HTN-95-92293] p 388 A95-85337
Novel sensor technology for monitoring and control of critical plant nutrient parameters p 478 A95-93786
Instrumentation for plant health and growth
p 478 A95-93788
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
Proceedings of the 33d SICE (the Society of Instrument and Control Engineers) Annual Conference, part 1
[DE95-758947] p 430 N95-28947
MECHANICAL DEVICES
Terraforming with nanotechnology
[HTN-95-60319] p 186 A95-65618
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Portable seat lift
[NASA-CASE-MFS-28610-1] p 23 N95-11394
Automatic locking knee brace joint
[NASA-CASE-MFS-28997-1] p 402 N95-27501
MECHANICAL PROPERTIES
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683
MECHANICAL SHOCK
Releaseable unconstrained inflatable body protector
[AD-D017350] p 524 N95-30552
MECHANORECEPTORS
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
Tactile discrimination and representations of texture, shape, and softness p 99 N95-14041
Physiology and physiopathology of equilibration
[PB95-208328] p 491 N95-30494
MEDIATION
Variables mediating the perception of crowding and confinement in extreme environments
p 21 N95-11620
MEDICAL ELECTRONICS
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
Measurement and modification of the EEG and related behavior p 99 N95-14038
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating
[PB94-206885] p 254 N95-21016
MEDICAL EQUIPMENT
Fluid flow and heat transfer in the crescent-shaped lumen catheter
[BTN-94-EIX94361122408] p 209 A95-65904
Obtaining medical and biological images by FTIR multiaspect projection refractometry
[HTN-95-61162] p 398 A95-86261
Fiber-optic luminescence probes for biomedical studies
[HTN-95-61166] p 399 A95-86265
Remote medical systems for the human exploration of space
[AAS PAPER 91-321] p 458 A95-87472
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815
Laser induced tissue temperature changes
p 432 A95-87816
Overview of current medical laser applications: Triumphs and failures p 434 A95-87825
Using laser spectroscopy to diagnose disease
p 434 A95-87829
Forward and inverse problems in elasticity imaging of soft tissues
[BTN-95-EIX95332424675] p 483 A95-94877
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
Man-machine interfaces in health care
p 97 N95-14029
Cell culture and transplantation of the suprachiasmatic circadian pacemaker
[AD-A280977] p 148 N95-16481
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating
[PB94-206885] p 254 N95-21016
Continuation of BNCT Research Program at NEMC and MIT
[DE94-016228] p 311 N95-22875
Biological interactions and human health effects of static magnetic fields
[DE95-003147] p 311 N95-24145
Annual report of National Institute of Radiological Sciences
[DE94-792664] p 347 N95-25902
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation
p 471 N95-29624
MEDICAL PERSONNEL
Meeting the nation's needs for biomedical and behavioral scientists
[LC-94-66477] p 28 N95-12310
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Aerospace medicine
[AD-A289691] p 385 N95-26763
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940

Flight nurse school in the Hellenic Air Force
p 452 N95-29629

MEDICAL SCIENCE
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
Aircraft to medicine
[NASA-TM-109245] p 16 N95-10551
Medical research publications: A bibliography of Walter Reed Army Medical Center staff, 1986-1992, volume 2
[PB94-177797] p 85 N95-14394
Naval Aerospace Medical Research Laboratory. 1993 command history
[AD-A284038] p 85 N95-14424
National Library of Medicine programs and services, fiscal year 1991
[PB94-188026] p 158 N95-17949
National Library of Medicine programs and services, fiscal year 1992
[PB94-188034] p 158 N95-17950
Naval Biodynamics Laboratory 1993 command history
[AD-A284358] p 175 N95-18440
Photobiology in medicine
[AD-A284843] p 210 N95-19695
Annual historical report, calendar year 1993
[AD-A280178] p 211 N95-19827
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
Command history, 1993
[AD-A279775] p 256 N95-21989
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004
The development and applications of biomarkers
[DE94-014249] p 306 N95-22589
Georgetown Institute for Cognitive and Computational Sciences
[AD-A289775] p 457 N95-29458
Summaries of fiscal year 1994 projects in medical applications and biophysical research
[DE95-010405] p 487 N95-32040

MEDICAL SERVICES
Remote medical systems for the human exploration of space
[AAS PAPER 91-321] p 458 A95-87472
NASA's extended duration orbiter medical program
p 441 A95-88586
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
Meeting the nation's needs for biomedical and behavioral scientists
[LC-94-66477] p 28 N95-12310
Man-machine interfaces in health care
p 97 N95-14029
Telerobotics in rehabilitation: Barriers to a virtual existence
p 97 N95-14030
Aerospace Medical Association 63rd Annual Scienti fic Meeting Program
p 142 N95-16737
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom
p 177 N95-16773
Medicine on Mars: Remote medical care and the space exploration initiative
p 155 N95-16777
High performance computing for medical image interpretation
[AD-A285457] p 210 N95-19537
On the development of an expert system for wheelchair selection
p 214 N95-19627
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811
Annual historical report, calendar year 1993
[AD-A280178] p 211 N95-19827
Command history, 1993
[AD-A279775] p 256 N95-21989
Aviation epidemiology data register
[AD-A279303] p 352 N95-24423
Testing of experimental antileishmanial compounds
[AD-A288807] p 348 N95-26193
Development of an acuity-based nurse staffing system for the post anesthesia care unit
[AD-A288831] p 384 N95-26494
Aerospace medicine
[AD-A289691] p 385 N95-26763
Test and evaluation of the Impact Instrumentations, Inc. Uni-Vent model 750M ventilator
[AD-A292321] p 470 N95-28792
A comparison of the aeromedical administration requirements for US Air Forces and major allies
[AD-A290137] p 450 N95-29141
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation
p 471 N95-29624
Care in the air: A system analysis of clinical outcomes in aeromedical evacuation
p 472 N95-29626
Flight nurse school in the Hellenic Air Force
p 452 N95-29629
Managing technological change in a military treatment facility: A case study of medical diagnostic imaging support (MDIS) system
[AD-A294894] p 533 N95-34573

MELANIN
Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515

MEMBRANE STRUCTURES
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398

MEMBRANES
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
Formation and vesiculation of biomembranes during spaceflight
[ISBN 0-08-042485-6] p 4 A95-60645
Differential flank growth
[ISBN 0-08-042485-6] p 5 A95-60649
Performance of high-recovery recycling reverse osmosis with wash water
[SAE PAPER 932073] p 468 A95-91651
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932088] p 469 A95-91662
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
Conformation of membrane proteins: Bacteriorhodopsin
[AD-A281282] p 30 N95-13373
Development of the chick's auditory ossicle, the columella
p 44 N95-15115
Structure of avian tectorial, otolithic and cupular membranes
p 44 N95-15117
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity
p 46 N95-15148
Characterization of neurotrophic and neurotropic interactions between neurons and their muscle and nerve targets
[AD-A281846] p 148 N95-16423
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557

MEMORY
Individual differences in pilot situation awareness
[HTN-95-40884] p 259 A95-72261
Overloads influence on cosmonaut's reaction rate
p 384 A95-82615
Behaviorism, cognitivism and the neuropsychology of memory
[HTN-95-42102] p 388 A95-83868
Undetected neuropsychophysiological sequelae of khat chewing in standard aviation medical examination
[HTN-95-01210] p 444 A95-91442
An approach to modeling pilot memory and developing a taxonomy of memory errors
p 496 A95-95075
Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory
[AD-A282122] p 17 N95-11337
The impact of combined heat and noise on short-term retention
[AD-A281744] p 20 N95-11570
Augmentation of research on cognitive control
[AD-A280956] p 93 N95-14600
Presentations of shape in object recognition and long-term visual memory
[AD-A281336] p 168 N95-16010
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
A parallel processing hypothesis for short-term and long-term memory in Aplysia
[AD-A284101] p 174 N95-18401
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
Comparing performance on implicit memory tests
[AD-A284861] p 212 N95-19740
MAC/FAC: A model of similarity-based retrieval
[AD-A286291] p 263 N95-22052
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
Codes of processing and multiple resources: Model and methodology
[AD-A289583] p 391 N95-26691
Subjective workload assessment in a spatial memory task
[AD-A289491] p 391 N95-26825
Reference frames in vision
[AD-A290117] p 456 N95-29422
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
Contextual interference effects on acquisition and transfer of a complex motor task
[AD-A293788] p 512 N95-31583

MEMORY (COMPUTERS)
Role of working memory limitations of retrieval
[AD-A280032] p 261 N95-20007

MENSTRUATION
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977

MENTAL HEALTH
Psychological first-aid: A practical aide-memoire
[HTN-95-12210] p 455 A95-91910
Results of the psychiatric, select-out evaluation of US astronaut applications
p 171 N95-16761
Psychological training of NASA astronauts for extended missions
p 171 N95-16763
Psychosocial stress and mental health in a forward-deployed military community
[AD-A285940] p 263 N95-22323

MENTAL PERFORMANCE
Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
Individual differences in pilot situation awareness
[HTN-95-40884] p 259 A95-72261
The roles of immediacy and redundancy in relative subjective workload assessment
[HTN-95-B0067] p 389 A95-85883
Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884
Toward a psychophysical assessment of dynamic changes in mental workload
[HTN-95-B0109] p 397 A95-85925
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, stereopsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers
[DOT/FAA/AM-94/13] p 19 N95-10144
Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs
[AD-A284928] p 169 N95-16140
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
Mental rotation with and without a concurrent task: Moderating effects of visuospatial ability
[AD-A281866] p 169 N95-16301

A framework for the analysis of cognitive tasks
[AD-A285345] p 172 N95-16835
Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
Neuropsychophysiologic sequelae of mild head injury
p 165 N95-19430
Comparing performance on implicit memory tests
[AD-A284861] p 212 N95-19740
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure
[AD-A285389] p 262 N95-20609
Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Cognitive diagnosis combined with latent trait theory and multiphase responses
[AD-A288701] p 355 N95-26010
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558
Codes of processing and multiple resources: Model and methodology
[AD-A289583] p 391 N95-26691
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692
Subjective workload assessment in a spatial memory task
[AD-A289491] p 391 N95-26825
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Current issues in the measurement of military aircrew performance: A consideration of the relationship between available metrics and operational concerns
[AD-A292539] p 470 N95-28970
Coping and adaptation: Theoretical and applied perspectives
[AD-A290513] p 455 N95-29090
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance
[AD-A293798] p 512 N95-31585
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609

MESOSPHERE
Stability of microorganisms isolated from the stratosphere and the mesosphere to the action of low and ultralow temperatures
[HTN-95-41639] p 319 A95-78734

MESSAGES
Influence of warning label signal words on perceived hazard level
[HTN-95-B0069] p 390 A95-85885

METABOLISM
Total blood volume in healthy young and older men
[HTN-95-70096] p 92 A95-62538
Evolution of biosynthesis of hydrophobic amino acids --- Abstract only p 132 A95-63879
The early evolution of metabolic pathways --- Abstract only p 132 A95-63880
From protometabolism to metabolism --- Abstract only
p 136 A95-63904
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041
Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice
[HTN-95-50871] p 238 A95-73061
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
Energetic metabolism response in algae and higher plant species from simulation experiments with the clinostat
p 410 A95-87500
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis
[HTN-95-01238] p 428 A95-91470
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
A study of zinc copper and manganese metabolism during military exercises in high temperature environment
[HTN-95-93128] p 491 A95-95629
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697
Copper metabolism in rats fed ascorbic acid or restricted amounts of copper
[PB94-191343] p 28 N95-11902
Comparison of submaximal cycling and treadmill exercise at similar work rates
[AD-A283430] p 33 N95-12593
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
The Physiologist, volume 36, number 1, supplement
p 85 N95-15089
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
In vitro system for studying metabolism of environmental chemicals in human cells
[AD-A284174] p 159 N95-18518
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Cumulative effects of repeated brief cerebral ischemia
[AD-A284234] p 210 N95-19698
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20074
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066
Plant metabolism and cell wall formation in space (microgravity) and on Earth
[NASA-CR-197618] p 306 N95-22801

METABOLITES
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell --- Abstract only
p 118 A95-63820
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875

METAL COMPOUNDS
Double layer hydroxide minerals as host structures for bioorganic molecules --- Abstract only
p 135 A95-63896

METAL HYDRIDES
Double layer hydroxide minerals as host structures for bioorganic molecules --- Abstract only
p 135 A95-63896

METAL IONS
Evolution of biocatalysts: Ribozymes may have been preceded by 'chelazymes' --- Abstract only
p 116 A95-63809
Catalysis and prebiotic RNA synthesis
[HTN-95-A0479] p 231 A95-72550
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
Mutagenesis in human cells with accelerated H and Fe ions
[NASA-CR-198599] p 382 N95-28177

METAL OXIDE SEMICONDUCTORS
Oxygen sensor development for life support
[BTN-95-EIX95042477107] p 213 A95-68352

METAL OXIDES
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005

METAL POWDER
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005

METEORITE COLLISIONS
The effects of heavy meteorite bombardment on the early evolution - the emergence of the three domains of life p 423 A95-88745

METEORITES
The meteoritic record of presolar and early solar system organic chemistry --- Abstract only p 183 A95-63755
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (1) --- Abstract only
p 108 A95-63764
Computer simulation of astrophysical ices --- Abstract only p 108 A95-63766
Cometary coma chemical composition (C4) mission --- Abstract only p 110 A95-63773
The origin of the terrestrial oceans inferred from their oxygen isotopic compositions --- Abstract only
p 184 A95-63859
Thermodynamics of Strecker synthesis in hydrothermal systems --- Abstract only p 134 A95-63888
Comets and life in the Universe p 190 A95-66761
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765

METEORITIC COMPOSITION
Life from the stars? --- extraterrestrial sources contributing to chemical evolution on Earth
[HTN-95-20821] p 230 A95-72081

METEOROID DUST CLOUDS
Delivery of interstellar prebiotic organics to the earth by comets --- Abstract only p 106 A95-63748
The cosmic origin of prebiotic molecules --- Abstract only p 106 A95-63749
Elemental and isotopic composition of cometary grains: Implications for abiotic synthesis --- Abstract only
p 108 A95-63767

METEOROLOGICAL PARAMETERS
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214

METHANATION
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873

METHANE
Titan: A planetary laboratory for studying prebiotic evolution --- Abstract only p 183 A95-63753
Earth's early atmosphere: How reducing was it? --- Abstract only p 126 A95-63856
Raindrops on Titan p 218 A95-66795
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
Isotopic ratios in planetary atmospheres
p 218 A95-66806
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697

Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873
METHODOLOGY
Test theory reconceived
[AD-A291836] p 456 N95-29432
METHYL ALCOHOL
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Enantioselective autocatalysis. 2: Racemization studies on a 1, 4-benzodiazepinooxazole derivative
[HTN-95-01239] p 428 A95-91471
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873
METHYL COMPOUNDS
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873
METHYLATION
How nature builds the pigments of life: the conquest of vitamin B-12
[BTN-94-EIX94431375202] p 436 A95-88153
METHYLENE BLUE
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
METRIC SPACE
An image quality analysis of ANVIS-6 night vision goggles
[AD-A289398] p 401 N95-26883
METROLOGY
Validity of the concept of absorbed dose as a physical quantity
[HTN-95-B0593] p 488 A95-93843
MICE
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Photoreceptors regulating circadian behavior: A mouse model
[AD-A285157] p 157 N95-16847
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
MICROBIOLOGY
Biological and biotechnological waste management in materials processing
[HTN-95-20610] p 397 A95-84791
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Control of microorganisms in flowing nutrient solutions p 481 A95-93807
Microbiological characterization of a regenerative life support system p 515 A95-93808
The structure and function of microbial communities in recirculating hydroponic systems p 481 A95-93809
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917
MICROCLIMATOLOGY
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370
MICROCOMPUTERS
Use of a speadsheet program for circadian analysis of biological/physiological data
[HTN-95-01219] p 426 A95-91451
MICROGRAVITY
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653
Fertilization of sea urchin eggs in Space and subsequent development under normal conditions
[ISBN 0-08-042485-6] p 6 A95-60656
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
Xenopus laevis embryos can establish their spatial bilateral symmetrical body pattern without gravity
[ISBN 0-08-042485-6] p 8 A95-60662
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
Graviceptor development in jellyfish ephyrae in space and on Earth
[ISBN 0-08-042485-6] p 9 A95-60669
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
Applied potential tomography shows differential changes in fluid content of leg tissue layers in microgravity
[ISBN 0-08-042485-6] p 14 A95-60674
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675
Terrestrial applications of bone and muscle research in microgravity
[ISBN 0-08-042485-6] p 14 A95-60676
Microgravity effects on 'postural' muscle activity patterns
[ISBN 0-08-042485-6] p 15 A95-60678
Mammalian cell cultivation in space p 27 A95-61564
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62822
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Phototaxis in the flagellate, Euglena gracilis, under the effect of microgravity
[HTN-95-80092] p 105 A95-63478
Exobiology experiments for Earth-orbital platforms — Abstract only p 185 A95-63891
A review of muscle atrophy in microgravity and during prolonged bed rest
[HTN-95-90825] p 250 A95-71340
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
The effects of prolonged weightlessness and reduced gravity environments on human survival
[HTN-95-90827] p 250 A95-71342
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
Effect of microgravity on collagenase deprotoeinization and EDTA decalcification of bone fragments
[HTN-95-80712] p 250 A95-73284
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304
Determination of the mass properties of a manipulator p 356 A95-80399
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950
Behavior of space frog p 362 A95-82611
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster p 363 A95-82612
Behavioural changes in Paramecium and Didinium exposed to short-term microgravity and hypergravity p 407 A95-87297
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
Analysis of aggregation mechanism of erythrocytes under normal- and microgravity conditions p 407 A95-87299
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity p 432 A95-87488
Possible mechanisms of plant cell wall changes at microgravity p 408 A95-87490
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions p 408 A95-87491
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids p 410 A95-87501
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Liposome formation in microgravity p 412 A95-87507
Physico-chemical characteristics of biomembranes and cell gravisensitivity p 412 A95-87508
The theoretical consideration of microgravity effects on a cell p 412 A95-87509
Free and membrane-bound calcium in microgravity and microgravity effects at the membrane level p 412 A95-87510
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514
Crustaceans as a model for microgravity-induced muscle atrophy p 413 A95-87515
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
The Pleurodele, an animal model for space biology studies p 414 A95-87522
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins p 442 A95-88599
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093

General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound
p 444 A95-90863
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
Seedling growth and development on space shuttle
p 475 A95-93760
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
The astroculture flight experiment series, validating technologies for growing plants in space
p 476 A95-93763
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
A root moisture sensor for plants in microgravity
p 478 A95-93785
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-196385] p 13 N95-10337
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
The individual integral space habitation: Preliminary sketch design of an individual tensile space habitation, situated within a large-scale centralised tensile lattice structured pneumatic enclosure, in microgravitational space p 23 N95-11601
Strength training as a counter-measure for microgravity effects p 18 N95-11608
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight
p 42 N95-15094
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Changing gravity level and the development of animals p 43 N95-15101
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
The avian embryo responding to microgravity of space flight p 43 N95-15104
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans
p 88 N95-15120
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity
p 90 N95-15138
Influence to organs by ten weeks tail suspension
p 45 N95-15142
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats
p 45 N95-15143
Aerospace Medical Association 63rd Annual Scientific Meeting Program p 142 N95-16737
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight
p 152 N95-16749
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity
p 153 N95-16756
Space medicine research: Needs for the 21st century
p 154 N95-16768
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Artificial gravity: How much, how often, how long?
p 178 N95-16778
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance
p 156 N95-16781
Physiological and genetic characterization of plant growth and gravitropism in LED light sources
p 143 N95-18173
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Plant metabolism and cell wall formation in space (microgravity) and on Earth
[NASA-CR-197618] p 306 N95-22801
Living in space
[NASA-TM-110536] p 314 N95-23274
Lockheed Stabilizer System for space exercise equipment
[NASA-CR-197657] p 471 N95-29180
Characterization of microgravity effects on bone structure and strength using fractal analysis
p 531 N95-32419
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428
Effects of gravity and light on plant growth and performance in normal and reduced gravity
p 529 N95-32901

MICROGRAVITY APPLICATIONS
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569

MICROHARDNESS
Characterization of fracture toughness of renal calculi using a microindentation technique
[BTN-94-EIX94361122293] p 209 A95-65873

MICROMECHANICS
Structure of avian tectorial, otolithic and cupular membranes p 44 N95-15117
Development and computer implementation of design/analysis techniques for multilayered composite structures. Probabilistic fiber composite micromechanics
[NASA-CR-198979] p 524 N95-31134

MICROMINIATURIZATION
Terraforming with nanotechnology
[HTN-95-60319] p 186 A95-65618
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620

MICROMINIATURIZED ELECTRONIC DEVICES
Terraforming with nanotechnology
[HTN-95-60319] p 186 A95-65618
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620

MICROORGANISMS
Competition in the chemostat: Global asymptotic behavior of a model with delayed response in growth
[BTN-94-EIX94341340323] p 27 A95-60859
Magnetite: What it reveals about the origin of the banded iron formations --- Abstract only p 128 A95-63862
Exobiology experiments in Earth orbit: Results and perspectives for future research --- Abstract only
p 185 A95-63899
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
A physical and chemical characterization of Martian permafrost as a possible habitat for viable microorganisms p 216 A95-66782
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
The experimental study of microbial contamination of the space hardware p 217 A95-66788
Stability of microorganisms isolated from the stratosphere and the mesosphere to the action of low and ultralow temperatures
[HTN-95-41639] p 319 A95-78734
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix
[HTN-95-41642] p 357 A95-78737
Again on isolated cells and spores of microorganisms 'exploding' on the Earth orbit
[HTN-95-41644] p 358 A95-78739
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
ERA-experiment 'space biochemistry'
p 404 A95-83984
Biological and biotechnological waste management in materials processing
[HTN-95-20610] p 397 A95-84791
How nature builds the pigments of life: the conquest of vitamin B-12
[BTN-94-EIX94431375202] p 436 A95-88153
The effects of heavy meteorite bombardment on the early evolution - the emergence of the three domains of life p 423 A95-88745
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258
Elevated CO2: Impact on diurnal patterns of photosynthesis in natural microbial ecosystems
p 480 A95-93796
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions
p 481 A95-93805
Dynamics of microorganism populations in recirculating nutrient solutions p 481 A95-93806
Control of microorganisms in flowing nutrient solutions
p 481 A95-93807
Microbiological characterization of a regenerative life support system p 515 A95-93808
The structure and function of microbial communities in recirculating hydroponic systems p 481 A95-93809
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697

Microbial communities in subsurface environments: Diversity, origin, and evolution
[DE94-013699] p 27 N95-11737
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
Activities of the Division of Energy Biosciences
[DE95-001046] p 208 N95-19613
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320
Mathematical methods applied to biotechnical processes
[PB95-212114] p 530 N95-33232

MICROPOROSITY
Probing the structure of cometary ice
p 419 A95-88727
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity
p 476 A95-93765

MICROSCOPY
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

MICROWAVE ABSORPTION
Ultrashort microwave signals: A didactic discussion
[HTN-95-01220] p 426 A95-91452

MICROWAVE EMISSION
Considerations for human exposure standards for fast-rise-time high-peak-power electromagnetic pulses
[HTN-95-92918] p 446 A95-91856

MICROWAVE IMAGERY
Ultrashort microwave signals: A didactic discussion
[HTN-95-01220] p 426 A95-91452

MICROWAVE TRANSMISSION
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026

MICROWAVES
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
Cardiorespiratory changes during microwave-induced lethal heat stress and beta-adrenergic blockade
[HTN-95-A0625] p 279 A95-74326
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
Ultrashort microwave signals: A didactic discussion
[HTN-95-01220] p 426 A95-91452
Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866

MIDDLE EAR
Development of the chick's auditory ossicle, the columella p 44 N95-15115

MIDDLE EAR PRESSURE
Changes of endolymphatic pressure in the semicircular canal of pigeon by calorie stimulation
[ISBN 0-08-042485-6] p 11 A95-60679

MILITARY AIRCRAFT
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061

MILITARY AVIATION
Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
The effect of special boards of flight surgeons on the evolution of US Naval flight standards
p 162 N95-19417

MILITARY HELICOPTERS
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight
p 494 A95-95047
Wide field of view helmet display systems mounted for helicopter simulation
[AD-A293123] p 524 N95-30888

MILITARY OPERATIONS
Preliminary analysis of Army aircrew requirements for Joint Surveillance Target Attack Radar System (JSTARS): Human performance requirements and job demands
[AD-A284917] p 104 N95-15759
Annual historical report, calendar year 1993
[AD-A280178] p 211 N95-19827
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757
Managing technological change in a military treatment facility: A case study of medical diagnostic imaging support (MDIS) system
[AD-A294894] p 533 N95-34573

MILITARY PSYCHOLOGY
Military aeromedical psychology training
[HTN-95-A0505] p 260 A95-72576
Situation awareness: Papers and annotated bibliography
[AD-A284752] p 173 N95-18084
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376

MILITARY TECHNOLOGY
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
Proceedings of Natural Sciences Symposium
[AD-A285452] p 208 N95-19536
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370

MILK
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848

MILLIMETER WAVES
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214

MINE DETECTORS
Developments in ground-penetrating radar at LLNL
[DE94-012236] p 95 N95-13671

MINERAL DEPOSITS
Uranium deposits and the origin of life — Abstract only p 131 A95-63874
On the isolation of halophilic microorganisms from salt deposits of great geological age p 28 N95-11966

MINERALS
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst — Abstract only p 110 A95-63777
Cooperative binding of nucleotides and their derivatives to clay and mineral surfaces — Abstract only p 112 A95-63788
Phosphate microaggregates in Archean sediments — Abstract only p 135 A95-63897
The potential for prebiotic synthesis in hydrothermal systems — Abstract only p 138 A95-63915
Search for life on Mars: Evaluation of techniques p 216 A95-66776
Catalysis and prebiotic RNA synthesis
[HTN-95-A0479] p 231 A95-72550
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468
Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce p 479 A95-93793
Are otoconia dynamic in birds and mammals?
p 43 N95-15103

MINES (ORDNANCE)
Developments in ground-penetrating radar at LLNL
[DE94-012236] p 95 N95-13671

MINIMAX TECHNIQUE
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467

MINING
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
An overview of underground space as an extreme environment p 24 N95-11611

MIR SPACE STATION
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655

MISSION PLANNING
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970
Results of an International Space Crew Debrief p 152 N95-16750

MITOCHONDRIA
Archigenetic hypothesis of the early cellular evolution — Abstract only p 134 A95-63887
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
The evolution of life without oxygen
[HTN-95-42101] p 375 A95-83867
Energetic metabolism response in algae and higher plant species from simulation experiments with the clinostat p 410 A95-87500
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518

MITOSIS
Acute effects of hindlimb unweighting on satellite cells of growing skeletal muscle
[HTN-95-10059] p 48 A95-61910
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261

MIXING
Biological determinants of photobioreactor design
[DE94-016032] p 306 N95-22872

MIXTURES
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320

MOBILITY
Set of reachable positions for a car
[BTN-95-EIX95332423428] p 516 A95-95019

MODELS
Template-directed reactions: Kinetic and mechanistic analysis — Abstract only p 115 A95-63803
A conceptual model of overexertion, safety, and risk of injury in occupational settings
[HTN-95-B0070] p 377 A95-85886
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
An approach to modeling pilot memory and developing a taxonomy of memory errors p 496 A95-95075
Initial development and validation of a multi-modal model for understanding and treating airsickness
p 489 A95-95137
The hidden messages or a gestalt view of pilot training p 503 A95-95143
The development of a 'quality' measure of pilot performance p 509 A95-95189
Simple model for human arm reachable workspace
[BTN-94-EIX94522407598] p 535 A95-96246
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408

MODULARITY
Cognition and procedure representational requirements for predictive human performance models
p 172 N95-16766

MODULATION
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone
p 151 N95-16745
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400

MODULATION TRANSFER FUNCTION
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875

MODULES
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627

MODULUS OF ELASTICITY
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials
[HTN-95-A0700] p 296 A95-75269

MOISTURE CONTENT
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
A root moisture sensor for plants in microgravity
p 478 A95-93785

MOLD
Gravitational response of the slime mold Physarum
[ISBN 0-08-042485-6] p 2 A95-60635

MOLECULAR BIOLOGY
Double layer hydroxide minerals as host structures for bioorganic molecules --- Abstract only p 135 A95-63896
A hypothesis: Reciprocal information transfer between oligoribonucleotides and oligopeptides in prebiotic molecular evolution
[HTN-95-10294] p 141 A95-64056
Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304
Molecular dynamics at a constant pH
[HTN-95-92296] p 376 A95-85340
The sense of taste
[HTN-95-92318] p 376 A95-85362
How nature builds the pigments of life: the conquest of vitamin B-12
[BTN-94-EIX94431375202] p 436 A95-88153
The effects of heavy meteorite bombardment on the early evolution - the emergence of the three domains of life p 423 A95-88745
Speculations on the evolution of the genetic code IV the evolution of the aminoacyl-tRNA synthetases p 423 A95-88746
On the nature of mutations in molecular evolution p 423 A95-88747
Microbial communities in subsurface environments: Diversity, origin, and evolution
[DE94-013699] p 27 N95-11737
Summary of the Sixteenth Annual Conference on Shock
[AD-A282643] p 32 N95-12542
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
Hemoglobin-based blood substitutes and enhanced susceptibility to bacterial infections
[AD-A281023] p 148 N95-16444
Photobiology in medicine
[AD-A284843] p 210 N95-19695
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065
Structures and functions of oligosaccharins
[DE95-003195] p 249 N95-22220
Open problems of computational molecular biology
[DE95-000895] p 306 N95-22866
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
Structures and functions of oligosaccharins
[DE95-003140] p 345 N95-24225
Annual report of National Institute of Radiological Sciences
[DE94-792664] p 347 N95-25902
Third international congress of plant molecular biology: Molecular biology of plant growth and development
[DE95-006482] p 383 N95-28496
Implementation and performance of the pseudoknot problem in Sisal
[DE95-009573] p 487 N95-32358
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723

MOLECULAR CHAINS
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems p 422 A95-88743

MOLECULAR CLOUDS
Organic molecules in the gas phase of dense interstellar clouds p 189 A95-66755

MOLECULAR DYNAMICS
Supercomputing studies of biomembranes
[HTN-95-92294] p 376 A95-85338
Molecular dynamics at a constant pH
[HTN-95-92296] p 376 A95-85340
Probing the structure of cometary ice p 419 A95-88727
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728

MOLECULAR ELECTRONICS
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620

MOLECULAR EXCITATION
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848

MOLECULAR INTERACTIONS
Supercomputing studies of biomembranes
[HTN-95-92294] p 376 A95-85338

MOLECULAR IONS
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340

MOLECULAR PHYSICS
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728

MOLECULAR STRUCTURE
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems --- Abstract only p 119 A95-63825
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
Self-assembly of a double-helical complex of sodium
[BTN-94-EIX94401310330] p 305 A95-76505
On the nature of mutations in molecular evolution p 423 A95-88747
Contribution of ankyrin-band 3 complexes to the organization and mechanical properties of the membrane skeleton of human erythrocyte
[DE95-005835] p 352 N95-24427
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
Parallel continuation-based global optimization for molecular conformation and protein folding
[DE95-005860] p 432 N95-30114

MOLECULES
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141
The sense of taste
[HTN-95-92318] p 376 A95-85362
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546
Electrical and electronic properties of self-assembled lipid bilayers
[AD-A290507] p 431 N95-29155
Molecular probes of gating and open channel conformational transitions of mechanosensitive ion channels
[AD-A291170] p 453 N95-29927

MOLLUSKS
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298

MOMENTS OF INERTIA
Centrifuges in gravitational physiology research p 91 N95-15147

MONITORS
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184

MONKEYS
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
Influence of gravity on the circadian timing system
[ISBN 0-08-042485-6] p 11 A95-60682
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 28 N95-12006
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
Space flight and humoral and cellular immunity of animals p 44 N95-15113
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132

MONOMERS
A redox beginning: Which came first phosphoryl, acyl, or electron transfer ? --- Abstract only p 107 A95-63759
Template-directed reactions: Kinetic and mechanistic analysis --- Abstract only p 115 A95-63803

MONTE CARLO METHOD
Evolution of catalytic networks formed by self-replicative species --- Abstract only p 119 A95-63824
Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421282944] p 320 A95-78955
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885
Development and computer implementation of design/analysis techniques for multilayered composite structures. Probabilistic fiber composite micromechanics
[NASA-CR-198979] p 524 N95-31134

MONTMORILLONITE
Separation and characterization of high molecular weight oligomers from ImpA and volclay reaction --- Abstract only p 112 A95-63785
Cooperative binding of nucleotides and their derivatives to clay and mineral surfaces --- Abstract only p 112 A95-63788
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA --- Abstract only p 115 A95-63802
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC --- Abstract only p 116 A95-63808
Effect of leaving group on the oligomerization of 5'-AMP on montmorillonite --- Abstract only p 121 A95-63834
Kinetics of dimerization and oligomerization of the 5'-phosphorimidazolide of adenosine on Na(+)-montmorillonite --- Abstract only p 121 A95-63835
Oligomerization of nucleotide imidazolides on Na(+)-montmorillonite clay: A model for the prebiotic synthesis of RNA --- Abstract only p 122 A95-63836
Biological samples in comet simulation experiment (KOSI-11) --- Abstract only p 140 A95-63926
Is ligation the only solution to the pyrophosphate problem?
[HTN-95-A0480] p 231 A95-72551
Binding of adenine and adenine-related compounds to the clay montmorillonite and the mineral hydroxylapatite p 420 A95-88731

MOODS
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373

MOON
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265
Higher order statistics of planetary gravities and topographies
[HTN-95-20761] p 268 A95-71121

MORPHOLOGY
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
Chroococcidiopsis, the most primitive living cyanobacterium? --- Abstract only p 127 A95-63858
Density and morphology of impact craters on tessera terrain, Venus
[HTN-95-20760] p 268 A95-71120
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
Structural studies of complex carbohydrates of plant cell walls
[DE95-003099] p 310 N95-24075

Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557

MORSE POTENTIAL
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963

MORTALITY
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
Testing of experimental antileishmanial compounds
[AD-A288807] p 348 N95-26193

MOTION PERCEPTION
Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling
[HTN-94-00359] p 18 A95-60105
Apparent extended body motions in depth
[HTN-94-00400] p 18 A95-60122
The effect of space flight on spatial orientation
p 437 A95-88566
Difficultie of target motion perception in space
p 439 A95-88576
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904
Visual psychophysics of egomotion
[AD-A282547] p 35 N95-12495
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation
[AD-A280897] p 146 N95-16151
The effects of target orientation on the dynamic contrast sensitivity function
[AD-A281855] p 169 N95-16298
Intermediate levels of visual processing
[AD-A284922] p 261 N95-19998
Neural models of motion perception
[AD-A286560] p 262 N95-20845
Relation of motion sickness susceptibility to vestibular and behavioral measures of orientation
[NASA-CR-198048] p 352 N95-24410

MOTION SICKNESS
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
A multimodal method for assessing and treating airsickness
[HTN-95-90719] p 209 A95-69746
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
Comparison of space adaptation and vestibular compensation p 436 A95-88561
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment
p 437 A95-88562
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment
p 437 A95-88562
Validation of the otolith asymmetry hypothesis as a cause of space motion sickness p 438 A95-88572
Effects of anti-emetics on motion sickness of rats
p 416 A95-88575
Difficultie of target motion perception in space
p 439 A95-88576
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
Initial development and validation of a multi-modal model for understanding and treating airsickness
p 489 A95-95137
Simulator sickness implications for advanced training technologies p 490 A95-95163
Disorientation and postural disequilibrium from simulated flight p 490 A95-95164
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
The relationship between space sickness and preflight diet p 88 N95-15122
Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone
p 151 N95-16745
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Dark focus of accommodation as dependent and independent variables in visual display technology
p 154 N95-16758
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
Command history, 1993
[AD-A279775] p 256 N95-21989
Relation of motion sickness susceptibility to vestibular and behavioral measures of orientation
[NASA-CR-198048] p 352 N95-24410
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863

MOTION SIMULATION
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
Occupant reach and mobility apparatus
[AD-D016253] p 267 N95-22099

MOTION SIMULATORS
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Ride motion simulator (RMS) testing using human occupants
[AD-A292641] p 471 N95-29378

MOTIVATION
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
Psychological aspects of risk taking in extreme environments p 21 N95-11622
Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
Validation of astronaut psychological select-in criteria
p 171 N95-16762
Locus of control and coping style as stress moderators in achievement oriented individuals
[AD-A294275] p 534 N95-34463

MOUTH
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
Neutral endopeptidase modulates substance P-induced vasodilation in vivo
[HTN-95-91897] p 339 A95-81999
Validation of a noninvasive tension-time index of inspiratory muscles
[HTN-95-91907] p 341 A95-82009
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015

MUCUS
Evaporation-induced changes in airway surface liquid on an isolated guinea pig trachea
[HTN-95-10115] p 62 A95-61966

MULTICHANNEL COMMUNICATION
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371

MULTIMEDIA
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
Assessment of the ACSE science learning environment and the impact of movies and simulations
[AD-A284071] p 175 N95-19068
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475

MULTIPLE TARGET TRACKING
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552

MULTIPLEXING
Experimental definition for implantation of the AFIT cortical multielectrode array
[AD-A289216] p 386 N95-26991
Characterization and redesign of the AFIT multielectrode array
[AD-A289295] p 386 N95-27039

MULTIPROCESSING (COMPUTERS)
Implementation and performance of the pseudoknot problem in Sisal
[DE95-009573] p 487 N95-32358

MULTISENSOR APPLICATIONS
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
Force and vision resolvability for assimilating disparate sensory feedback
[AD-A293581] p 512 N95-31685

MULTISENSOR FUSION
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214

MURCHISON METEORITE
The Strecker synthesis from interstellar precursors as a source of amino acids in carbonaceous chondrites: Deuterium retention during synthesis — Abstract only
p 108 A95-63765
Characterization of hydrogen cyanide polymers and the Murchison meteorite: Implications for prebiotic and extraterrestrial chemistry — Abstract only
p 109 A95-63770
The use of the ninhydrin reaction for the elimination of protein amino acids in cosmogeochemical samples — Abstract only p 109 A95-63771
Did the very first self-replicating chemical systems need homochirality? — Abstract only p 129 A95-63866
Amino acid stereochemistry in cosmogeochemical samples and the origin of amino acid chirality on Earth — Abstract only p 129 A95-63867
Organic analysis of hydrogen cyanide polymers: Prebiotic and extraterrestrial chemistry
p 190 A95-66760
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite
p 190 A95-66762
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
Origin of amino acids in the early solar system
p 214 A95-66764

MUSCLE RELAXANTS
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920

MUSCLES
Changes of contractile responses due to simulated weightlessness in rat soleus muscle
[ISBN 0-08-042485-6] p 11 A95-60677
Acute effects of hindlimb unweighting on satellite cells of growing skeletal muscle
[HTN-95-10059] p 48 A95-61910
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Effects of exercise and glycogen depletion on glyconeogenesis in muscle
[HTN-95-10083] p 53 A95-61934
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep
[HTN-95-10097] p 57 A95-61948
Contribution of arterial feed vessels to skeletal muscle functional hyperemia
[HTN-95-10099] p 58 A95-61950

Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
Differential effects of voluntary and involuntary activation on contractile characteristics of two human muscles
[HTN-95-10124] p 64 A95-61975
(31)P-NMR spectroscopy, rsEMG, and histochemical fiber types of human wrist flexor muscles
[HTN-95-60033] p 68 A95-62141
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154
Role of sarcolemma action potentials and excitability in muscle fatigue
[HTN-95-70081] p 77 A95-62523
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
Myosin isoforms in mammalian skeletal muscle
[HTN-95-A0102] p 195 A95-68885
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
Maximum rate of force development is increased by antagonist conditioning contraction
[HTN-95-A0134] p 203 A95-68917
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481
Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
Contribution of postassium to exercise-induced vasodilation in humans
[HTN-95-70482] p 226 A95-71504
Effects of airway parasympathetic tone on reponses to intravenous bronchoconstrictor agonists in rats
[HTN-95-70489] p 227 A95-71511
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
Regional diaphragm shortening measured by sonomicrometry
[HTN-95-70492] p 228 A95-71514
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
Adverse effect of hyperinflation on parasternal intercostals
[HTN-95-50853] p 234 A95-73043
Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide
[HTN-95-50856] p 235 A95-73046
Effect of muscular exercise on chronic relapsing experimental autoimmune encephalomyelitis
[HTN-95-50862] p 236 A95-73052
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
Changes in potassium contractures due to simulated weightlessness in rat soleus muscle
[HTN-95-50866] p 237 A95-73056
Hyperinflation with intrinsic PEEP and respiratory muscle blood flow
[HTN-95-50867] p 237 A95-73057
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060
Initial fall in skeletal muscle force development during ischemia is related to oxygen availability
[HTN-95-50873] p 238 A95-73063
Effects of N-acetylcysteine on in vitro diaphragm function are temperature dependent
[HTN-95-50874] p 239 A95-73064
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
Apnea after normocapnic mechanical ventilation during NREM sleep
[HTN-95-50876] p 239 A95-73066
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats
[HTN-95-50887] p 242 A95-73077
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
Force and contractile characteristics after stretch overload in quail anterior latissimus dorsi muscle
[HTN-95-A0596] p 271 A95-74297
Electromyographic evaluation of joint angle specificity and cross-training after isometric training
[HTN-95-A0604] p 273 A95-74305
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306
Lactate and acid-base exchange during brief intense contractions of skeletal muscle in situ
[HTN-95-A0607] p 274 A95-74308
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309
Differential response of macrophage subpopulations to soleus muscle reloading after rat hindlimb suspension
[HTN-95-A0612] p 275 A95-74313
N-acetylcysteine depresses contractile function and inhibits fatigue of diaphragm in vitro
[HTN-95-A0616] p 276 A95-74317
Pulmonary arterial smooth muscle contractility in hypoxia-induced pulmonary hypertension
[HTN-95-A0622] p 278 A95-74323
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise
[HTN-95-A0648] p 284 A95-74349
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373
Fatigue of rapid and slow onset in isolated perfused rat and mouse diaphragms
[HTN-95-A0674] p 290 A95-74375
Structural composition of lung parenchymal strip and mechanical behavior during sinusoidal oscillation
[HTN-95-A0680] p 291 A95-74381
Ergometric studies of untrained skeletal muscle demonstrate feasibility of muscle-powered cardiac assistance
[HTN-95-A0681] p 291 A95-74382
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289

Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Relationship between MRI relaxation time and muscle fiber composition
[HTN-95-00410] p 322 A95-81927
Influence of isometric loading on biceps EMG dynamics as assessed by linear and nonlinear tools
[HTN-95-00412] p 322 A95-81929
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
Contribution of pulmonary versus systemic perfusion of airway smooth muscle
[HTN-95-91877] p 334 A95-81979
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993
Determinants of airway smooth muscle shortening in exised canine lobes
[HTN-95-91902] p 340 A95-82004
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
Arterial and arteriolar contributions to skeletal muscle functional hyperemia in spontaneously hypertensive rats
[HTN-95-21565] p 366 A95-83350
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
Unidirectional sodium and potassium flux in myogenic L6 cells: Mechanisms and volume-dependent regulation
[HTN-95-21587] p 372 A95-83372
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
Hypertropy and proliferation of skeletal muscle fibers from aged quail
[HTN-95-21590] p 372 A95-83375
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
Crustaceans as a model for microgravity-induced muscle atrophy p 413 A95-87515
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
Metabolic and nutritional problems in simulated microgravity – influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
Strength training as a counter-measure for microgravity effects p 18 N95-11608
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270
Neural mechanisms of kinesthesia p 96 N95-14018
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
Characterization of neurotrophic and neurotropic interactions between neurons and their muscle and nerve targets
[AD-A281846] p 148 N95-16423
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Skeletal muscle ischemia and heat shock proteins
[AD-A285364] p 252 N95-20549
Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846
Characterization of microgravity effects on bone structure and strength using fractal analysis p 531 N95-32419
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428

MUSCULAR FATIGUE

Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907
Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909
Ventilatory responses to inspiratory threshold loading and role of muscle fatigue in task failure
[HTN-95-10064] p 49 A95-61915
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole
[HTN-95-10065] p 49 A95-61916
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
Dynamical assessment of physiological systems and states using recurrence plot stategies
[HTN-95-60052] p 72 A95-62160
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist
[HTN-95-A0152] p 207 A95-68935
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats
[HTN-95-50857] p 235 A95-73047
Running-induced muscle injury and myocellular enzyme release in rats
[HTN-95-50872] p 238 A95-73062
Initial fall in skeletal muscle force development during ischemia is related to oxygen availability
[HTN-95-50873] p 238 A95-73063
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
N-acetylcysteine depresses contractile function and inhibits fatigue of diaphragm in vitro
[HTN-95-A0616] p 276 A95-74317
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373
Fatigue of rapid and slow onset in isolated perfused rat and mouse diaphragms
[HTN-95-A0674] p 290 A95-74375
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926

Influence of isometric loading on biceps EMG dynamics as assessed by linear and nonlinear tools
[HTN-95-00412] p 322 A95-81929
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
Validation of a noninvasive tension-time index of inspiratory muscles
[HTN-95-91907] p 341 A95-82009
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228

MUSCULAR FUNCTION

Terrestrial applications of bone and muscle research in microgravity
[ISBN 0-08-042485-6] p 14 A95-60676
Changes of contractile responses due to simulated weightlessness in rat soleus muscle
[ISBN 0-08-042485-6] p 11 A95-60677
Microgravity effects on 'postural' muscle activity patterns
[ISBN 0-08-042485-6] p 15 A95-60678
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function
[HTN-95-10055] p 46 A95-61906
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin
[HTN-95-10069] p 50 A95-61920
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
Effects of exercise and glycogen depletion on glyconeogenesis in muscle
[HTN-95-10083] p 53 A95-61934
Contribution of arterial feed vessels to skeletal muscle functional hyperemia
[HTN-95-10099] p 58 A95-61950
Sympathetic nerve activity during prolonged rhythmic forearm exercise
[HTN-95-10113] p 61 A95-61964
Myosin and actin filament lengths in diaphragms from emphysematous hamsters
[HTN-95-10120] p 63 A95-61971
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
Differential effects of voluntary and involuntary activation on contractile characteristics of two human muscles
[HTN-95-10124] p 64 A95-61975
(31)P-NMR spectroscopy, rsEMG, and histochemical fiber types of human wrist flexor muscles
[HTN-95-60033] p 68 A95-62141
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
Effect of hypoxia on neuromuscular transmission in the developing diaphragm
[HTN-95-60037] p 68 A95-62145
Effect of endurance training on activators of glycolysis in muscle during exercise
[HTN-95-60042] p 70 A95-62150
Blood flow, mitochondria, and performance in skeletal muscle after denervation and reinnervation
[HTN-95-60043] p 70 A95-62151
Advantage of normalizing force production to myofibrillar protein in skeletal muscle cross-sectional area
[HTN-95-60044] p 70 A95-62152
Suitability of 2-deoxyglucose for in vitro measurement of glucose transport activity in skeletal muscle
[HTN-95-60045] p 70 A95-62153
Structural response of growing bone to exercise and disuse
[HTN-95-60047] p 71 A95-62155
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis
[HTN-95-60051] p 72 A95-62159
Early alterations in soleus GLUT-4, glucose transport, and glycogen in voluntary running rats
[HTN-95-70073] p 75 A95-62515
Endurance training fails to inhibit skeletal muscle glucose uptake during exercise
[HTN-95-70074] p 75 A95-62516
Adaptation and overtraining in horses subjected to increasing training loads
[HTN-95-70076] p 76 A95-62518
Modulation of IGF mRNA abundance during stretch-induced skeletal muscle hypertrophy and regression
[HTN-95-70078] p 76 A95-62520
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
Role of sarcolemma action potentials and excitability in muscle fatigue
[HTN-95-70081] p 77 A95-62523
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
Short-term daily exercise activity enhances endothelial NO synthesis in skeletal muscle arterioles of rats
[HTN-95-70085] p 78 A95-62527
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
Myosin isoforms in mammalian skeletal muscle
[HTN-95-A0102] p 195 A95-68885
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
Maximum rate of force development is increased by antagonist conditioning contraction
[HTN-95-A0134] p 203 A95-68917
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
Training-related enhancement in the control of motor output in elderly humans
[HTN-95-70457] p 220 A95-71479
Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482
Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
Force and contractile characteristics after stretch overload in quail anterior latissimus dorsi muscle
[HTN-95-A0596] p 271 A95-74297
Lactate and acid-base exchange during brief intense contractions of skeletal muscle in situ
[HTN-95-A0607] p 274 A95-74308
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
Voluntary exercise decreases progression of muscular dystrophy in diaphragm of mdx mice
[HTN-95-A0647] p 284 A95-74348
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
Structural composition of lung parenchymal strip and mechanical behavior during sinusoidal oscillation
[HTN-95-A0680] p 291 A95-74381
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
Influence of isometric loading on biceps EMG dynamics as assessed by linear and nonlinear tools
[HTN-95-00412] p 322 A95-81929
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
Determinants of airway smooth muscle shortening in exised canine lobes
[HTN-95-91902] p 340 A95-82004
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
Regeneration of guinea pig facial nerve: The effect of hypergravity p 411 A95-87505
Crustaceans as a model for microgravity-induced muscle atrophy p 413 A95-87515
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions
p 45 N95-15144
Robotic control using muscular and neural electrical signals
[AD-A284908] p 92 N95-15757
Skeletal muscle responses to unloading in humans
p 150 N95-16743
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight
p 151 N95-16744

MUSCULAR STRENGTH

Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
Ventilatory responses to inspiratory threshold loading and role of muscle fatigue in task failure
[HTN-95-10064] p 49 A95-61915
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyndamole
[HTN-95-10065] p 49 A95-61916
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915

Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist
[HTN-95-A0152] p 207 A95-68935
Training-related enhancement in the control of motor output in elderly humans
[HTN-95-70457] p 220 A95-71479
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
On the role of exchange of power and information signals in control and stability of the human-robot interaction p 101 N95-14051
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Geometry and gravity influences on strength capability
[NASA-TP-3511] p 180 N95-18189

MUSCULAR TONUS

Microgravity effects on 'postural' muscle activity patterns
[ISBN 0-08-042485-6] p 15 A95-60678
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
A review of muscle atrophy in microgravity and during prolonged bed rest
[HTN-95-90825] p 250 A95-71340
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
Influence to organs by ten weeks tail suspension p 45 N95-15142

MUSCULOSKELETAL SYSTEM

Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
Structural response of growing bone to exercise and disuse
[HTN-95-60047] p 71 A95-62155
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist
[HTN-95-A0152] p 207 A95-68935
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
The effects of prolonged weightlessness and reduced gravity environments on human survival
[HTN-95-90827] p 250 A95-71342
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
The Physiologist, volume 36, number 1, supplement p 85 N95-15089
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
Influence to organs by ten weeks tail suspension p 45 N95-15142
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
Skeletal muscle responses to unloading in humans p 150 N95-16743
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Skeletal muscle ischemia and heat shock proteins
[AD-A285364] p 252 N95-20549
Analysis of musculo-skeletal loading using electromyography and biomechanical modelling
[PB95-135828] p 254 N95-21007
Molecular probes of gating and open channel conformational transitions of mechanosensitive ion channels
[AD-A291170] p 453 N95-29927
Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428

MUTATIONS

The role of accuracy for early cooperative stages of the origin of life — Abstract only p 133 A95-63883
The stability of DNA in extreme dryness — Abstract only p 135 A95-63894
Equally parsimonious pathways of RNA evolution may not be equally valid — Abstract only p 136 A95-63906
Selective mutations in molecular evolution — Abstract only p 138 A95-63912
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090
Dynamic mutations
[HTN-95-00506] p 375 A95-83386
On the nature of mutations in molecular evolution p 423 A95-88747
Cellular responses to environmental DNA damage
[DE94-015606] p 249 N95-22397
Analysis of structural domains required for phytochrome function by in vitro mutagenesis
[DE94-016230] p 307 N95-22884
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850
Mutagenesis in human cells with accelerated H and Fe ions
[NASA-CR-198599] p 382 N95-28177
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728

MYOCARDIAL INFARCTION

Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161

MYOCARDIUM

Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age
[HTN-95-A0128] p 202 A95-68911
Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
Sarcoidosis in US military aviators p 166 N95-19438
Intramyocardial blood volume and oxygen exchange
[PB95-108015] p 256 N95-21580
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161

MYOELECTRIC POTENTIALS

Role of sarcolemma action potentials and excitability in muscle fatigue
[HTN-95-70081] p 77 A95-62523
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946

MYOPIA

Excimer laser photorefractive keratectomy (PRK) for myopia - present status: Aerospace considerations
[HTN-95-12214] p 429 A95-91914
Refractive changes during prolonged exposure to altitude following refractive surgery
[AD-A290263] p 451 N95-29173

N

NAP-OF-THE-EARTH NAVIGATION

Crew performance and communication: Performing a terrain navigation task p 506 A95-95169
Navigational demands of low-level helicopter flight p 506 A95-95171

NAPHTHALENE

Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis — Abstract only p 131 A95-63877
Polycyclic aromatic hydrocarbon ions and the diffuse interstellar bands p 194 A95-66804

NARCOSIS

Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665

NARCOTICS

Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309

NASA PROGRAMS

Educational opportunities within the NASA specialized center of research and training in gravitational biology
[ISBN 0-08-042485-6] p 12 A95-60687
Four educational programs in Space Life Sciences
[ISBN 0-08-042485-6] p 12 A95-60688
NASA's Space Life Sciences Training Program
[ISBN 0-08-042485-6] p 12 A95-60689
Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes
[ISBN 0-08-042485-6] p 12 A95-60690
The origin and early evolution of ISSOL — Abstract only p 106 A95-63745
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095

The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
BioServe space technologies: A NASA Center for the Commercial Development of Space
[NASA-CR-196983] p 141 N95-16034
Psychological training of NASA astronauts for extended missions p 171 N95-16763
Annual program analysis of the NASA Space Life Sciences Research and Education Support Program
[NASA-CR-197298] p 247 N95-21529
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719

NASA SPACE PROGRAMS
Exobiology opportunities from Discovery-class missions --- Abstract only p 184 A95-63890
Exobiology experiments in Earth orbit: Results and perspectives for future research --- Abstract only p 185 A95-63899
Future NASA plans for exobiology and solar system exploration --- Abstract only p 186 A95-63900
Life sciences program
[NASA-CR-197658] p 432 N95-30292

NAUSEA
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745

NAVIGATION
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767

NAVIGATION AIDS
Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504

NAVIGATORS
Navigational demands of low-level helicopter flight p 506 A95-95171
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators p 167 N95-19439

NAVY
Personality tests in an enhanced pilot selection model p 498 A95-95102
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846

NEAR INFRARED RADIATION
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361

NEBULAE
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206

NECK (ANATOMY)
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886
Effects of weightlessness on human baroreflex function p 154 N95-16770
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Vertical impact testing of two helmet-mounted night vision systems
[AD-A293055] p 525 N95-31671

NEOPLASMS
The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378

NEPTUNE (PLANET)
Isotopic ratios in planetary atmospheres p 218 A95-66806

NEPTUNE ATMOSPHERE
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436

NERVES
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
Rat retrotrapezoid nucleus ionic and metabotropic glutamate receptors and the control of breathing
[HTN-95-21573] p 368 A95-83358
Regeneration of guinea pig facial nerve: The effect of hypergravity p 411 A95-87505
Tactile discrimination and representations of texture, shape, and softness p 99 N95-14041
Characterization of neurotrophic and neurotropic interactions between neurons and their muscle and nerve targets
[AD-A281846] p 148 N95-16423
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization
[AD-A284111] p 143 N95-18439
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730

NERVOUS SYSTEM
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs
[AD-A284928] p 169 N95-16140
Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595
Interrelations between nervous system and immune system in stress situations
[PB95-135521] p 311 N95-22770
A model of the neural basis of the rat's sense of direction
[AD-A289678] p 381 N95-26761
Conference perspective. Neuroimmunomodulation: Stress and immune function
[AD-A291351] p 492 N95-30870

NETWORK ANALYSIS
Pathfinder analysis of Miller's task analysis terminology p 510 A95-95208

NETWORK SYNTHESIS
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688

NEURAL NETS
Constructing visual perception
[HTN-95-81495] p 375 A95-85209
Neutral networks for control, identification and diagnosis p 514 A95-93797
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
Supervised learning without output labels
[TR-510-REV] p 94 N95-15588
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642
Visual neural development and chromatic aberration
[AD-A285064] p 169 N95-16368
A parallel processing hypothesis for short-term and long-term memory in Aplysia
[AD-A284101] p 174 N95-18401
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301
Designing the architecture of hierachical neural networks model attention, learning and goal-oriented behavior
[AD-A279898] p 264 N95-20562
Neural models of motion perception
[AD-A286560] p 262 N95-20845
Attempt to interpret the self-organizing mapping physiologically
[PB95-127783] p 247 N95-21112
How the brain works
[AD-A279138] p 263 N95-21968
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
Neurodynamic oscillators p 311 N95-22987
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227
Using virtual active vision tools to improve autonomous driving tasks
[AD-A289175] p 392 N95-27013
Pattern-analysis based models of masking by spatially separated sounds
[AD-A291270] p 453 N95-29933
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin Huxley model of a neuron
[AD-A293821] p 493 N95-31552

NEUROGLIA
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393

NEUROLOGY
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
Light and imaging in extreme environments p 21 N95-11631
Neural mechanisms of kinesthesia p 96 N95-14018
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs
[AD-A284928] p 169 N95-16140
Locus coeruleus, vigilance and stress: Brain mechanisms of adaptive behavioral responsiveness
[AD-A282450] p 169 N95-16377
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
Organization of the human circadian system
[AD-A288223] p 449 N95-28915
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
Georgetown Institute for Cognitive and Computational Sciences
[AD-A289775] p 457 N95-29458
Conference perspective. Neuroimmunomodulation: Stress and immune function
[AD-A291351] p 492 N95-30870

NEUROMUSCULAR TRANSMISSION
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861
Sympathetic nerve activity during prolonged rhythmic forearm exercise
[HTN-95-10113] p 61 A95-61964
Effect of hypoxia on neuromuscular transmission in the developing diaphragm
[HTN-95-60037] p 68 A95-62145
Blood flow, mitochondria, and performance in skeletal muscle after denervation and reinnervation
[HTN-95-60043] p 70 A95-62151
Advantage of normalizing force production to myofibrillar protein in skeletal muscle cross-sectional area
[HTN-95-60044] p 70 A95-62152
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
Training-related enhancement in the control of motor output in elderly humans
[HTN-95-70457] p 220 A95-71479
Regional diaphragm shortening measured by sonomicrometry
[HTN-95-70492] p 228 A95-71514
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity
[HTN-95-A0600] p 272 A95-74301
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization
[AD-A284111] p 143 N95-18439
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301

NEURONS
Evidence that the protocell was also a protoneuron --- Abstract only p 126 A95-63854
Effects of altered muscle activation on oxidation enzyme activity in rat alpha-motoneurons
[HTN-95-50858] p 235 A95-73048

Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
The sense of taste
[HTN-95-92318] p 376 A95-85362
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v
p 416 A95-88570
Effects of anti-emetics on motion sickness of rats
p 416 A95-88575
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
Neuronal types in the chicken's statoacoustic ganglion
p 44 N95-15116
Locus coeruleus, vigilance and stress: Brain mechanisms of adaptive behavioral responsiveness
[AD-A282450] p 169 N95-16377
Characterization of neurotrophic and neurotropic interactions between neurons and their muscle and nerve targets
[AD-A281846] p 148 N95-16423
Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization
[AD-A284111] p 143 N95-18439
Cellular analysis of circadian rhythmicity in cultured SCN neurons
[AD-A284167] p 159 N95-18512
Neural models of motion perception
[AD-A286560] p 262 N95-20845
Netherlands Institute for Brain Research progress report, 1993
[PB95-135398] p 255 N95-21352
How the brain works
[AD-A279138] p 263 N95-21968
Neurodynamic oscillators p 311 N95-22987
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360
Computer models of retinal function
[AD-A290156] p 449 N95-29022
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin-Huxley model of a neuron
[AD-A293821] p 493 N95-31552
Toxin-mediated transfer and expression of genes in nerve cells
[AD-A290501] p 531 N95-33200

NEUROPHYSIOLOGY

Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
Effects of airway parasympathetic tone on reponses to intravenous bronchoconstrictor agonists in rats
[HTN-95-70489] p 227 A95-71511
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
Constructing visual perception
[HTN-95-81495] p 375 A95-85209
The effect of space flight on spatial orientation
p 437 A95-88566
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708
Neuronal types in the chicken's statoacoustic ganglion
p 44 N95-15116
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
Characterization of the fast-phase component of the vestibulo-ocular response
[AD-A281830] p 147 N95-16360
Locus coeruleus, vigilance and stress: Brain mechanisms of adaptive behavioral responsiveness
[AD-A282450] p 169 N95-16377
Neurophysiological analysis of circadian rhythm entrainment
[AD-A280981] p 148 N95-16484
Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400
A parallel processing hypothesis for short-term and long-term memory in Aplysia
[AD-A284101] p 174 N95-18401
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization
[AD-A284111] p 143 N95-18439
Neuropsychophysiologic sequelae of mild head injury
p 165 N95-19430
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations
p 166 N95-19436
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301
On producing sequential movements and actions. An integrative review and an update of the generalized motor program
[AD-A288628] p 357 N95-25610
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
Coupling of brain muscarinic receptors to second messengers
[AD-A290498] p 450 N95-29153
Physiology and physiopathology of equilibration
[PB95-208328] p 491 N95-30494
Toxin-mediated transfer and expression of genes in nerve cells
[AD-A290501] p 531 N95-33200

NEUROPSYCHIATRY

Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Using computerized neuropsychological testing to assess aviator skills
[AD-A293227] p 511 N95-30905

NEUROTIC DEPRESSION

Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
Motor activity anddepression-related disorders
[HTN-95-11907] p 390 A95-85988

NEUROTRANSMITTERS

Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943
Acetylcholine and carotid body excitation during hypoxia in the cat
[HTN-95-10094] p 57 A95-61945
Effect of hypoxia on neuromuscular transmission in the developing diaphragm
[HTN-95-60037] p 68 A95-62145
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091

NEUTRAL BUOYANCY SIMULATION

Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
European EVA space suit: Full scale evaluations and analysis for the lower torso conceptual design
[SAE PAPER 932099] p 460 A95-90343
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887

NEUTRON BEAMS

Continuation of BNCT Research Program at NEMC and MIT
[DE94-016228] p 311 N95-22875

NEUTRON SCATTERING

Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process
[BTN-94-EIX94341340604] p 105 A95-63569

NICOTINE

Increased dependence on blood glucose in smokers during rest and sustained exercise
[HTN-95-10054] p 46 A95-61905

NICOTINIC ACID

Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809

NIGHT

Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378

NIGHT FLIGHTS (AIRCRAFT)

Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854

NIGHT VISION

Psychophysical foundations of a model of amplified night vision in target detection tasks
[HTN-95-B0066] p 389 A95-85882
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight
p 494 A95-95047
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Distance estimation training with night vision goggles: A preliminary study
[AD-A284900] p 104 N95-15755
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
Night Vision Goggles (NVG) software user's guide, version 5.1
[AD-A284563] p 179 N95-18029
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
An image quality analysis of ANVIS-6 night vision goggles
[AD-A289398] p 401 N95-26883
Distance estimation training with night vision goggles under low illumination
[AD-A291338] p 472 N95-29943
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475

NITRIC OXIDE

Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood
[HTN-95-A0109] p 197 A95-68892
Role of nonenzymatically generated prostanoid, 8-iso-PGF(sub 2 alpha) in pulmonary oxygen toxicity
[HTN-95-70479] p 225 A95-71501
Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide
[HTN-95-50856] p 235 A95-73046
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289

Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion
[AD-A289558] p 385 N95-26680

NITRILES
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds --- Abstract only p 110 A95-63776
2-Aminopropionitrile polymer --- Abstract only p 116 A95-63810
Chemistry of potentially prebiological natural products
[HTN-95-10288] p 140 A95-64050
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797

NITROAMINES
Investigations about alpha-aminoacid synthesis under prebiotic conditions --- Abstract only p 107 A95-63761

NITROGEN
Analyzing (13)NN lung washout curves in the presence of intraregional nonuniformities
[HTN-95-60059] p 74 A95-62167
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere --- Abstract only p 113 A95-63790
Life on Mars? 2: Physical restrictions p 215 A95-66773
Measurement of high volumes by nitrogen washout method
[HTN-95-A0734] p 304 A95-75303
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean
[NASA-CR-197098] p 141 N95-15961
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570

NITROGEN DIOXIDE
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801

NITROGEN ISOTOPES
Analyzing (13)NN lung washout curves in the presence of intraregional nonuniformities
[HTN-95-60059] p 74 A95-62167
Nitrogen isotopic composition of organic matter: Chemical fossils in Precambrian cherts --- Abstract only p 127 A95-63861

NITROGEN METABOLISM
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066

NOISE INJURIES
Actual effectiveness of hearing protection in high level impulse noise
[AD-A291604] p 449 N95-28941

NOISE INTENSITY
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
Actual effectiveness of hearing protection in high level impulse noise
[AD-A291604] p 449 N95-28941

NOISE POLLUTION
Effects of Noise on Hearing 5th International Symposium
[AD-A281439] p 33 N95-13177

NOISE REDUCTION
Speech intelligibility and protective effectiveness of selected active noise reduction and conventional communicatios headsets
[HTN-95-B0075] p 377 A95-85891

NOISE TOLERANCE
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892

NONEQUILIBRIUM CONDITIONS
Nonequilibrium determinants of biological community structure
[HTN-95-11904] p 378 A95-85985

NONINTRUSIVE MEASUREMENT
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
New advances in physiological measurements during high-G: Technology p 532 N95-34057

NONLINEAR EQUATIONS
Discrete velocity model for an escaping single-component atmosphere
[HTN-95-50283] p 187 A95-65778

NONLINEAR FILTERS
Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184

NONLINEARITY
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861

NONUNIFORMITY
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA) p 90 N95-15140

NORADRENALINE
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472

NOREPINEPHRINE
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
Ca(2+) and lipolysis in adipocytes from exercise-trained rats
[HTN-95-70462] p 221 A95-71484
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold
[HTN-95-A0715] p 300 A95-75284
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472

NOSE (ANATOMY)
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282

NUCLEAR ELECTRIC POWER GENERATION
The use of radioisotopes in human experiments: Comments in response to recent media articles
[DE95-605680] p 354 N95-25981

NUCLEAR FUSION
Cosmic evolution of the biogenic elements and compounds
[HTN-95-41238] p 316 A95-75050

NUCLEAR INTERACTIONS
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716

NUCLEAR MAGNETIC RESONANCE
Sympathetic nerve activity during prolonged rhythmic forearm exercise
[HTN-95-10113] p 61 A95-61964
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis
[HTN-95-60051] p 72 A95-62159
NMR studies on the weak interactions between amino acids and nucleotides --- Abstract only p 126 A95-63853
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595

NUCLEAR MEDICINE
Nuclear medicine program
[DE94-017530] p 160 N95-19244
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers
[AD-A279774] p 246 N95-20806
Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595
Continuation of BNCT Research Program at NEMC and MIT
[DE94-016228] p 311 N95-22875
Summaries of fiscal year 1994 projects in medical applications and biophysical research
[DE95-010405] p 487 N95-32040

NUCLEAR PARTICLES
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720

NUCLEAR POWER PLANTS
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
The dependence of human reliability upon task information content
[DE95-006645] p 357 N95-25483

NUCLEAR REACTOR CONTROL
Design issues of human operator support systems
[PB94-191376] p 36 N95-11778

NUCLEATION
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141

NUCLEI (CYTOLOGY)
Neurophysiological analysis of circadian rhythm entrainment
[AD-A280981] p 148 N95-16484
Control of circadian behavior by transplanted suprachiasmatic nuclei
[AD-A285233] p 142 N95-16599

NUCLEI (NUCLEAR PHYSICS)
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720

NUCLEIC ACIDS
Chemistry of potentially prebiological natural products --- Abstract only p 106 A95-63746
Prebiotic organic compounds in Antarctic carbonaceous chondrites --- Abstract only p 107 A95-63760

Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview — Abstract only p 111 A95-63783
A new perspective for prebiotic formation of achiral, nucleic acid-like molecules — Abstract only p 113 A95-63795
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? — Abstract only p 114 A95-63799
In vitro selection of optimal DNA substrates for ligation — Abstract only p 115 A95-63805
Catalytic studies of biomimetic molecular systems and origin of life — Abstract only p 116 A95-63807
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides — Abstract only p 122 A95-63837
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems — Abstract only p 124 A95-63847
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides [HTN-95-A0476] p 230 A95-72547
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation [HTN-95-A0692] p 294 A95-75261
Effects of spaceflight on morphology of the rat adenohypophysis [HTN-95-A0717] p 300 A95-75286
Implementation and performance of the pseudoknot problem in Sisal [DE95-009573] p 487 N95-32358

NUCLEOSIDES

Acute effects of hindlimb unweighting on satellite cells of growing skeletal muscle [HTN-95-10059] p 48 A95-61910
Prebiotic synthesis of hydroxymethyluracil and some t-RNA bases — Abstract only p 108 A95-63763
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems — Abstract only p 124 A95-63847
Relationships of essence and form in the origin of the genetic system — Abstract only p 136 A95-63905
Redox ribonucleosides: Isolation and characterization of 5-hydroxycytidine, 5-hydroxyuridine, 8-hydroxyguanosine and 8-hydroxyadenosine from Torula Yeast RNA — Abstract only p 139 A95-63922
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis [HTN-95-01237] p 427 A95-91469

NUCLEOTIDES

Cyanide polymers in the solar system: Miller-Urey revisited — Abstract only p 109 A95-63769
Cooperative binding of nucleotides and their derivatives to clay and mineral surfaces — Abstract only p 112 A95-63788
Approaches to the selection of an RNA replicase — Abstract only p 113 A95-63792
Template-directed synthesis – A summary — Abstract only p 113 A95-63794
Molecular replication: From minimal to complex systems — Abstract only p 114 A95-63796
An approach to prebiotic synthesis of oligoribonucleotides — Abstract only p 114 A95-63797
Origin of primitive translating systems — Abstract only p 114 A95-63798
A novel computational method to simulate non-enzymatic self-replication — Abstract only p 114 A95-63800
Oligomerization of a nucleotide analog related to barbituric acid — Abstract only p 115 A95-63804
In vitro selection of optimal DNA substrates for ligation — Abstract only p 115 A95-63805
Nonenzymatic peptide formation and aminoacylation — Abstract only p 117 A95-63811
Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand — Abstract only p 118 A95-63816
Recent investigations on a primitive tRNA model — Abstract only p 118 A95-63818
Self-replicating oligonucleotides — Abstract only p 119 A95-63822
Complexity acquisition during prebiotic evolution — Abstract only p 119 A95-63823
The origin of the genetic code: An approach on the base of the progene hypothesis — Abstract only p 120 A95-63826
The reverse genetic code and the central dogma of molecular biology — Abstract only p 120 A95-63829
Mechanisms for the polymerization of nucleotides by alpha-particle radiolysis in aqueous solution — Abstract only p 121 A95-63832
Oligonucleotides as probes for studying polymerization reactions under prebiotic conditions — Abstract only p 121 A95-63833
Effect of leaving group on the oligomerization of 5'-AMP on montmorillonite — Abstract only p 121 A95-63834
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides — Abstract only p 122 A95-63837
Autocatalytic accretion of prebiotic molecules in aqueous environments — Abstract only p 123 A95-63842
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems — Abstract only p 124 A95-63847
NMR studies on the weak interactions between amino acids and nucleotides — Abstract only p 126 A95-63853
Did the very first self-replicating chemical systems need homochirality? — Abstract only p 129 A95-63866
Electroweak enantioselection and the origin of life — Abstract only p 130 A95-63870
Development and diversification of the last universal ancestor — Abstract only p 132 A95-63878
Relationships of essence and form in the origin of the genetic system — Abstract only p 136 A95-63905
Evolution of the genetic code — Abstract only p 139 A95-63921
Role of metal ferrocyanides in chemical evolution [HTN-95-10292] p 140 A95-64054
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Direct interaction between amino acids and nucleotides as a possible physicochemical basis for the origin of the genetic code p 194 A95-66800
Effect of heat stress on muscle energy metabolism during exercise [HTN-95-70453] p 219 A95-71475
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides [HTN-95-A0476] p 230 A95-72547
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? [HTN-95-A0481] p 231 A95-72552
Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise [HTN-95-A0648] p 284 A95-74349
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures [HTN-95-01236] p 427 A95-91468

NUMERICAL ANALYSIS

An information 'worm hole' between 20 amino acids and 64 triplets is dug through the decimal and quarternary systems — Abstract only p 117 A95-63812

NUMERICAL CONTROL

Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397
Neutral networks for control, identification and diagnosis p 514 A95-93797
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples [AD-A288504] p 386 N95-27059

NUMERICAL INTEGRATION

Discrete velocity model for an escaping single-component atmosphere [HTN-95-50283] p 187 A95-65778

NUMERICAL WEATHER FORECASTING

Diagnosing cloudiness from global numerical weather prediction model forecasts [AD-A289456] p 392 N95-26992

NUTRIENTS

Competition for a single limiting resource in continuous culture: The variable-yield model [BTN-94-EIX94501431532] p 141 A95-64529
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea [GTN-95-00489697-4201] p 430 A95-92260
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions p 481 A95-93805

NUTRITION

Competition in the chemostat: Global asymptotic behavior of a model with delayed response in growth [BTN-94-EIX94341340323] p 27 A95-60859
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise [HTN-95-10110] p 60 A95-61961
Nutritional behavior of people during a two month duration isolation and confinement simulation [SAE PAPER 932067] p 467 A95-91645
Plant-module for autonomous space-support (p-mass). p 476 A95-93766
Novel sensor technology for monitoring and control of critical plant nutrient parameters p 478 A95-93786
Instrumentation for plant health and growth p 478 A95-93788
Dynamics of microorganism populations in recirculating nutrient solutions p 481 A95-93806
Control of microorganisms in flowing nutrient solutions p 481 A95-93807
The relationship between space sickness and preflight diet p 88 N95-15122
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments [AD-A286270] p 257 N95-22004
Performance enhancing ration components program: Supplemental carbohydrate test [AD-A288560] p 400 N95-26558

NUTRITIONAL REQUIREMENTS

Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types [HTN-95-10079] p 52 A95-61930
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm [HTN-95-91905] p 341 A95-82007
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat p 418 A95-88593
Nutritional behavior of people during a two month duration isolation and confinement simulation [SAE PAPER 932067] p 467 A95-91645
Protein requirements for long term missions p 488 A95-93778
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
Recycling of trace elements required for humans in CELSS p 488 A95-93781

NYSTAGMUS

Effects of lateral tilt on optokinetic nystagmus, afternystagmus, and eye tracking in humans p 384 A95-82603
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans p 438 A95-88571
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427

O

OBESITY

Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats [HTN-95-A0107] p 197 A95-68890
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats [HTN-95-50857] p 235 A95-73047
Basal fat oxidation decreases with aging in women [HTN-95-21586] p 371 A95-83371

OBJECT-ORIENTED PROGRAMMING

Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766

OBSERVATION

A method for specifying observations in team training p 505 A95-95157

OCCLUSION

Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction [HTN-95-91909] p 342 A95-82011

OCCULTATION

Acute inhalation of explosively disseminated carbon fibers in rats [AD-A280556] p 29 N95-12614

OCCUPATION

Crosshift vibrometry: Biomarker for ergonomic stress [AD-A284337] p 180 N95-18385
An analysis of anthropometric differences among occupational groups in the US Army [AD-A292326] p 470 N95-28794
Aerospace physiology AFSC 4M0X1 [AD-A294839] p 532 N95-34564

OCCUPATIONAL DISEASES

Acceptability of intermittent handgrip contractions based on physiological response [HTN-95-B0115] p 378 A95-85931

OCEAN BOTTOM

Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview — Abstract only p 111 A95-63783
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734

OCEANS

Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile — Abstract only p 111 A95-63780
The origin of the terrestrial oceans inferred from their oxygen isotopic compositions — Abstract only p 184 A95-63859

OCULOMOTOR NERVES
Characterization of the fast-phase component of the vestibulo-ocular response
[AD-A281830] p 147 N95-16360
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin Huxley model of a neuron
[AD-A293821] p 493 N95-31552
ODORS
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
OH-58 HELICOPTER
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574
OLFACTORY PERCEPTION
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
OLIGOMERS
A new perspective for prebiotic formation of achiral, nucleic acid-like molecules --- Abstract only p 113 A95-63795
An approach to prebiotic synthesis of oligoribonucleotides --- Abstract only p 114 A95-63797
A novel computational method to simulate non-enzymatic self-replication --- Abstract only p 114 A95-63800
Polypeptide-assisted oligomerization of nucleotide analogs --- Abstract only p 114 A95-63801
Template-directed reactions: Kinetic and mechanistic analysis --- Abstract only p 115 A95-63803
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC --- Abstract only p 116 A95-63808
Effect of leaving group on the oligomerization of 5'-AMP on montmorillonite --- Abstract only p 121 A95-63834
Archaebacterial ribulose bisphosphate carboxylase --- Abstract only p 138 A95-63914
OLIVINE
Biological samples in comet simulation experiment (KOSI-11) --- Abstract only p 140 A95-63926
ONTOGENY
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
OORT CLOUD
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801
OPENINGS
Inflatable life vest
[AD-D017273] p 471 N95-29600
OPERATIONAL HAZARDS
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265
OPERATOR PERFORMANCE
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
Effects of lags on human operator transfer functions with head-coupled systems
[HTN-95-92912] p 469 A95-91850
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
Human operator tracking performance with a vibrotactile display p 100 N95-14049
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953
Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151
Human performance studies for control of multiple remote systems
[AD-A286623] p 265 N95-20768
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700
Subjective workload assessment in a spatial memory task
[AD-A289491] p 391 N95-26825
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
OPERATORS (MATHEMATICS)
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963
OPERATORS (PERSONNEL)
Design issues of human operator support systems
[PB94-191376] p 36 N95-11778
Situational awareness in complex systems
[AD-A281448] p 168 N95-15959
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467
Formalizing procedures for operations automation, operator training and spacecraft autonomy p 315 N95-23720
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
OPHTHALMOLOGY
Experimental investigation of picosecond optical breakdown in water and biological tissues p 433 A95-87820
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
OPTICAL ACTIVITY
On the possible paths of optical (photochemical) activation of living matter --- Abstract only p 130 A95-63872
Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis --- Abstract only p 131 A95-63877
Digital glucosimeter-polarimeter for measuring the optical activity of solutions
[HTN-95-61167] p 399 A95-86266
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
Perception and control of locomotion
[AD-A285605] p 262 N95-21192
OPTICAL DENSITY
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390
OPTICAL EQUIPMENT
Occlusion-free monocular three-dimensional vision system
[BTN-95-EIX95292661227] p 443 A95-89826
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
OPTICAL FIBERS
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
OPTICAL FLOW (IMAGE ANALYSIS)
Use of optical edge and optical flow rate: Information in the perception and control of ground velocity p 497 A95-95079
Altitude control: Effects of texture and global optical flow p 497 A95-95080
OPTICAL MEASUREMENT
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
Visual psychophysics of egomotion
[AD-A282547] p 35 N95-12495
OPTICAL MEASURING INSTRUMENTS
Optical sensors for monitoring and control of plant growth systems p 478 A95-93787
OPTICAL MICROSCOPES
Analysis of electron microscope images: 3-D localization of immuno-markers
[PB94-197977] p 41 N95-13990
OPTICAL PROPERTIES
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320
Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421282944] p 320 A95-78955
Heat-induced structural alterations in myocardium in relation to changing optical properties
[BTN-94-EIX94421282947] p 348 A95-78958
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524
Laser fluorescence spectroscopy of human skin in vivo: the effect of erythema
[BTN-94-EIX94441385677] p 531 A95-96595
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083
Intermediate levels of visual processing
[AD-A291569] p 455 N95-28937
OPTICAL TRACKING
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
Difficultie of target motion perception in space p 439 A95-88576
Head perturbations during walking while viewing a head-fixed target
[HTN-95-01208] p 466 A95-91440
Human operator tracking performance with a vibrotactile display p 100 N95-14049
An image quality analysis of ANVIS-6 night vision goggles
[AD-A289398] p 401 N95-26883
Long-range eye tracking: A feasibility study
[DE95-008587] p 393 N95-28176
Visual tracking of self-occluding articulated objects
[AD-A292894] p 511 N95-31383
OPTIMAL CONTROL
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
OPTIMIZATION
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
OPTIONS
Waste disposal options for refractory tearout
[HTN-95-81618] p 458 A95-87666
OPTOELECTRONIC DEVICES
Obtaining medical and biological images by FTIR multiaspect projection refractometry
[HTN-95-61162] p 398 A95-86261
ORBITAL MANEUVERS
How to move a planet
[HTN-95-60883] p 358 A95-78863
ORBITAL SERVICING
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
Dexterous Orbital Servicing System (DOSS) p 316 N95-23723
ORBITAL WORKERS
Geometry and gravity influences on strength capability
[NASA-TP-3511] p 180 N95-18189
ORDER-DISORDER TRANSFORMATIONS
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
ORGANELLES
Theories and models on the biological of cells in space p 408 A95-87486
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
The role of signal systems in cell gravisensitivity p 411 A95-87502
ORGANIC CHEMISTRY
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds --- Abstract only p 110 A95-63776
Ion irradiation of organic and biological materials --- Abstract only p 111 A95-63781

Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Prebiotic chemistry in space; Proceedings of Symposia B1.4 and F3.3 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042622-0] p 472 A95-89205
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature p 473 A95-89217

ORGANIC COMPOUNDS
Photolysis of gaseous mixtures containing phosphine or germane — Abstract only p 184 A95-63775
Evidence and conditions for synthesis of organic compounds in hydrothermal systems — Abstract only p 139 A95-63919
Comets and life in the Universe p 190 A95-66761
Exobiology research on Space Station Freedom p 215 A95-66768
Carbonaceous matter in cometary dust and coma p 218 A95-66803
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
Life from the stars? — extraterrestrial sources contributing to chemical evolution on Earth
[HTN-95-20821] p 230 A95-72081
Evidence for organic synthesis in high temperature aqueous media - facts and prognosis p 421 A95-88735
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737
Improved filtration materials and modeling
[AD-A284684] p 180 N95-18531
Development of novel separation techniques for biological samples in capillary electrophoresis
[DE95-001672] p 305 N95-22493
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320

ORGANIC MATERIALS
Life from the stars? — extraterrestrial sources contributing to chemical evolution on Earth
[HTN-95-20821] p 230 A95-72081

ORGANIC SOLIDS
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219

ORGANIC SULFUR COMPOUNDS
Dimethyl sulfoxide depresses skeletal muscle contractility
[HTN-95-70083] p 78 A95-62525

ORGANISMS
The avian embryo responding to microgravity of space flight p 43 N95-15104
Energy transfer in real and artificial photosynthetic systems
[DE95-005824] p 382 N95-27948
Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder
[AD-A289725] p 430 N95-28685

ORGANIZATIONS
The Teleprasenz Consortium: Structure and intentions p 99 N95-14039
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909

ORGANIZING
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041

ORGANS
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
Peptidase-1 expression in some organs of the salamander Pleurodeles waltl submitted to a 12-day space flight p 415 A95-87524
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20074

ORIENTATION
Apparent extended body motions in depth
[HTN-94-00400] p 18 A95-60122
Ethological experiments on human orientation behavior within a three-dimensional space-in microgravity
[ISBN-0-08-042485-6] p 15 A95-60684

ORTHOPEDICS
Compact holographic apparatus for stomatology
[HTN-95-61170] p 399 A95-86269
The use of acoustic emission in orthopedics p 16 N95-10243
Automatic locking knee brace joint
[NASA-CASE-MFS-28997-1] p 402 N95-27501

ORTHOSTATIC TOLERANCE
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Heart rate and blood pressure variabilities during graded head-up tilt
[HTN-95-21579] p 369 A95-83364
Cardiovascular system and its regulation in space flights p 439 A95-88577
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1) p 84 N95-14224
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity p 90 N95-15138
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-106861] p 144 N95-18734

OSCILLATIONS
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination
[AD-A284023] p 160 N95-18656
Self-generating oscillating pressure exercise device
[NASA-CASE-ARC-12000-1] p 314 N95-23264

OSCILLATORS
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861
Neurodynamic oscillators p 311 N95-22987

OSMOSIS
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
Use of scaling theory to relate measurements of lung endothelial barrier permeability
[HTN-95-50898] p 244 A95-73088
Protein accumulation in cerebrospinal fluid during -90 deg head-down tilt in rabbit
[HTN-95-A0685] p 292 A95-75254
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140

OSTEOPOROSIS
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
Exercise effect on bone remineralization after experimental osteoporosis of tail suspended rat p 362 A95-82607
Spaceflight results in depressed cancellous bone formation in rat humeri
[HTN-95-01215] p 426 A95-91447
Prevent and cure disuse bone loss
[NASA-CR-196845] p 17 N95-11594
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556

OTOLITH ORGANS
Formation of otoconia in the Japanese red-bellied newt, Cynops pyrrhogaster
[ISBN 0-08-042485-6] p 9 A95-60670
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster p 363 A95-82612
An observation of vestibular spinal relationship p 438 A95-88569
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans p 438 A95-88571
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
Graded change of forces on the otoliths as a tool to investigate equilibrium in man p 439 A95-88574
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 28 N95-12006
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
Are otoconia dynamic in birds and mammals? p 43 N95-15103
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation
[AD-A280897] p 146 N95-16151
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
Relation of motion sickness susceptibility to vestibular and behavioral measures of orientation
[NASA-CR-198048] p 352 N95-24410
Comparative Transduction Mechanisms of Vestibular Otolith Hair Cells
[NASA-CR-197980] p 379 N95-26727
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity p 380 N95-26729
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 1: Responses to intracellular current p 380 N95-26731
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 2: Sensitivity and response dynamics to hair bundle displacement p 381 N95-26732

OVARIES
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight p 415 A95-87523
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726

OVERPRESSURE
Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971
Health hazards assessment for blast overpressure exposures
[AD-A283352] p 158 N95-17998

OXIDASE
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin
[AD-A290439] p 487 N95-30452

OXIDATION
Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs
[HTN-95-70478] p 225 A95-71500
Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650

Establishing and maintaining specific pathogen free (SPF) conditions in aqueous solutions using ozone
p 482 A95-93810

OXIDATION-REDUCTION REACTIONS

Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite --- Abstract only
p 106 A95-63757

Exercise O2 transport model assuming zero cytochrome PO2 at dot-VO2(sub max)
[HTN-95-A0122] p 200 A95-68905

Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041

Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291

Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294

Prebiotic polymerization: Oxidative polymerization of 2, 3-dimercapto-1-propanol on the surface of iron(III) hydroxide oxide
p 420 A95-88730

OXIDIZERS

The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438

International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364

OXYGEN

The origin of the terrestrial oceans inferred from their oxygen isotopic compositions --- Abstract only
p 184 A95-63859

Oxygen sensor development for life support
[BTN-95-EIX95042477107] p 213 A95-68352

Oxygen transport to tissue by persistent bubbles: Theory and simulations
[HTN-95-70493] p 228 A95-71515

Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346

Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376

An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386

Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444

Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621

Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810

Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801

Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665

Proton-induced fragmentation of carbon at energies below 100 MeV
p 527 N95-32720

OXYGEN BREATHING

An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386

OXYGEN CONSUMPTION

Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926

Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10098] p 58 A95-61949

Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965

Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530

Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886

Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888

Tissue oxygen and carbon dioxide stores and breath-hold diving in humans
[HTN-95-A0108] p 197 A95-68891

Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903

Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906

Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910

Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age
[HTN-95-A0128] p 202 A95-68911

Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918

Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920

Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928

(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937

Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478

Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503

Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects
[HTN-95-50860] p 236 A95-73050

Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083

Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307

Lactate and acid-base exchange during brief intense contractions of skeletal muscle in situ
[HTN-95-A0607] p 274 A95-74308

Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310

Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering
[HTN-95-A0623] p 278 A95-74324

Maximal aerobic capacity and total blood volume in highly trained middle-aged and older female endurance athletes
[HTN-95-A0643] p 283 A95-74344

Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise
[HTN-95-A0648] p 284 A95-74349

Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355

Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356

Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361

Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365

Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372

Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373

Ratios and regressions in body size and function: A commentary
[HTN-95-A0677] p 290 A95-74378

Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379

Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256

Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280

Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288

Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296

Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013

Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018

Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349

Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356

Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362

Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system
p 514 A95-93779

Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228

The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption
p 155 N95-16779

The value of the 4-day headdown bedrest model for screening countermeasures
p 156 N95-16782

Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821

Intramyocardial blood volume and oxygen exchange
[PB95-108015] p 256 N95-21580

CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158

Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846

OXYGEN ISOTOPES

The origin of the terrestrial oceans inferred from their oxygen isotopic compositions --- Abstract only
p 184 A95-63859

OXYGEN MASKS

Positive pressure breathing for G protection (PBG)
p 538 N95-34055

OXYGEN METABOLISM

Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928

Exercise training improves metabolic response after ischemia in isolated working rat heart
[HTN-95-10080] p 53 A95-61931

Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932

Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936

Distribution function of transit times in the human pulmonary circulation
[HTN-95-10133] p 66 A95-61984

L-(+)-lactate infusion into working dog gastrocnemius: No evidence lactate per se mediates V(O2) slow component
[HTN-95-60039] p 69 A95-62147

Blood flow, mitochondria, and performance in skeletal muscle after denervation and reinnervation
[HTN-95-60043] p 70 A95-62151

Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162

Exercise O2 transport model assuming zero cytochrome PO2 at dot-VO2(sub max)
[HTN-95-A0122] p 200 A95-68905

Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913

Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478

Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485

Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503

Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040

Effects of altered muscle activation on oxidation enzyme activity in rat alpha-motoneurons
[HTN-95-50858] p 235 A95-73048

Blood lactate and acid-base balance in graded neonatal hypoxia: Evidence for oxygen-restricted metabolism
[HTN-95-50861] p 236 A95-73051

Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055

Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060

Initial fall in skeletal muscle force development during ischemia is related to oxygen availability
[HTN-95-50873] p 238 A95-73063
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Physiological dead space increases during initial hours of chronic hypoxemia with or without hypocapnia
[HTN-95-A0729] p 303 A95-75298
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat
[HTN-95-21554] p 364 A95-83339
Arterial and arteriolar contributions to skeletal muscle functional hyperemia in spontaneously hypertensive rats
[HTN-95-21565] p 366 A95-83350
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376

OXYGEN PRODUCTION

A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system
p 396 A95-82508
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403

OXYGEN SUPPLY EQUIPMENT

Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Comparison of airline passenger oxygen systems
[HTN-95-01217] p 444 A95-91449
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
SPE(R)-OBOGS: On-board oxygen generating sustem
p 472 N95-30267

OXYGEN 17

Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885

OXYGEN 18

Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885

OXYGENATION

Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
Lunar base CELSS design and analysis
p 514 A95-93773
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263

OXYHEMOGLOBIN

Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351

OZONE

Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow
[HTN-95-A0112] p 198 A95-68895
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing
[HTN-95-70486] p 227 A95-71508
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
Ozone toxicity in the rat. 1: Effect of changes in ambient temperature on extrapulmonary physiological parameters
[HTN-95-00445] p 331 A95-81962
Establishing and maintaining specific pathogen free (SPF) conditions in aqueous solutions using ozone
p 482 A95-93810
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801

OZONOSPHERE

Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884

P

PACKET SWITCHING

Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949

PAIN

Crosshift vibrometry: Biomarker for ergonomic stress
[AD-A284337] p 180 N95-18385
Use of body surface heat patterns for predicting and evaluating acute lower extremity pain among soldiers
[AD-A292829] p 493 N95-31446

PALEOBIOLOGY

Untangling the evolution of the web
[HTN-95-81497] p 376 A95-85211
On the isolation of halophilic microorganisms from salt deposits of great geological age p 28 N95-11966

PALEONTOLOGY

Phosphate microaggregates in Archean sediments — Abstract only p 135 A95-63897

PARABOLIC FLIGHT

Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight
p 42 N95-15094
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity
p 153 N95-16756
Dynamics of the G-excess illusion
p 155 N95-16771
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774

PARALLEL PROCESSING (COMPUTERS)

A parallel processing hypothesis for short-term and long-term memory in Aplysia
[AD-A284101] p 174 N95-18401
Parallel continuation-based global optimization for molecular conformation and protein folding
[DE95-005860] p 432 N95-30114
Implementation and performance of the pseudoknot problem in Sisal
[DE95-009573] p 487 N95-32358

PARALYSIS

Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925

PARAMECIA

Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
Behavioural changes in Paramecium and Didinium exposed to short-term microgravity and hypergravity
p 407 A95-87297
A theory of gravikinesis in Paramecium
p 408 A95-87487

PARAMETER IDENTIFICATION

CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Mathematical methods applied to biotechnical processes
[PB95-212114] p 530 N95-33232

PARATHYROID GLAND

Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556

PARTIAL DIFFERENTIAL EQUATIONS

Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems — Abstract only p 119 A95-63825
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885

PARTIAL PRESSURE

Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
Proximate nutritional composition of CELSS crops grown at different CO2 partial pressures p 477 A95-93780
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791

PARTICLE ACCELERATORS

Annual report of National Institute of Radiological Sciences
[DE94-792664] p 347 N95-25902

PARTICLE COLLISIONS

Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720

PARTICLE TRACKS

Estimation of spatially restricted LET using track structure models p 527 N95-32722
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730

PARTICLE TRAJECTORIES

Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730

PARTICULATES

Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287

PASSENGERS

Comparison of airline passenger oxygen systems
[HTN-95-01217] p 444 A95-91449

PATHOGENESIS

The emergence of new diseases
[HTN-95-42105] p 375 A95-83871

PATHOGENS

The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions
p 481 A95-93805
Spectral quality may be used to alter plant disease development in CELSS p 482 A95-93811
Structures and functions of oligosaccharins
[DE95-003140] p 345 N95-24225

Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435

PATHS
The early evolution of metabolic pathways --- Abstract only p 132 A95-63880

PATIENTS
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161
Care in the air: A system analysis of clinical outcomes in aeromedical evacuation p 472 N95-29626
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627

PATTERN RECOGNITION
Integration of local features as a function of global goodness and spacing
[HTN-94-00404] p 19 A95-60124
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
How are three-dimensional objects represented in the brain?
[AD-A282367] p 34 N95-11942
Supervised learning without output labels
[TR-510-REV] p 94 N95-15588
Presentations of shape in object recognition and long-term visual memory
[AD-A281336] p 168 N95-16010
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
Training visual pattern recognition: Using worked examples to aid schema acquisition
[AD-A281859] p 169 N95-16299
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
Intermediate levels of visual processing
[AD-A284922] p 261 N95-19998
Viewer-centered object recognition in monkeys
[AD-A279876] p 245 N95-20185
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
Georgetown Institute for Cognitive and Computational Sciences
[AD-A289775] p 457 N95-29458

PATTERNS
Tracking the visual scan of air traffic controllers p 522 A95-95166

PAYLOAD CONTROL
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329

PAYLOAD RETRIEVAL (STS)
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627

PAYLOADS
Plant-module for autonomous space-support (p-mass). p 476 A95-93766
Developing an international astronaut team p 20 N95-11607
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569

PELVIS
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667

PEPTIDES
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
Right atrial pressure and ANP release during prolonged exercise in a hot envionment
[HTN-95-70075] p 76 A95-62517
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? --- Abstract only p 114 A95-63799
Nonenzymatic peptide formation and aminoacylation --- Abstract only p 117 A95-63811
Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand --- Abstract only p 118 A95-63816
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
Peptide nucleic acid (PNA): A model structure for the primordial genetic material?
[HTN-95-A0481] p 231 A95-72552
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs
[HTN-95-A0597] p 272 A95-74298
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats p 418 A95-88594
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis
[HTN-95-01237] p 427 A95-91469
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850

PERCEPTION
The unique visual system of the mantis shrimp
[HTN-95-92323] p 376 A95-85367
The roles of immediacy and redundancy in relative subjective workload assessment
[HTN-95-B0067] p 389 A95-85883
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
The effect of scene content on speed, time, and distance perception p 497 A95-95078
Use of optical edge and optical flow rate: Information in the perception and control of ground velocity p 497 A95-95079
Altitude control: Effects of texture and global optical flow p 497 A95-95080
The hidden messages or a gestalt view of pilot training p 503 A95-95143
The options of pilots flying automated corporate aircraft with regard to their perceived workload p 507 A95-95173
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task p 508 A95-95179
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
Developing subjective and objective metrics of pilot situation awareness p 508 A95-95183
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
Situation awareness and workload flip sides of the same coin p 508 A95-95185
Cockpit attention and task management: Situation awareness in the tactical fighter p 508 A95-95186
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642
Studies of novel popout
[AD-A285237] p 169 N95-16244

PERCEPTUAL ERRORS
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
The effects of target vibration on contrast sensitivity p 497 A95-95081

PERFORMANCE PREDICTION
Human performance in actuating switches during tracking
[HTN-95-A0503] p 259 A95-72574
A computerized selection test for Canadian forces Air Traffic Controllers p 498 A95-95103
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
Personality scales as predictors for job success of airlines pilots p 499 A95-95106
Finding the right stuff: Personality studies of airline pilots p 499 A95-95107
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370
Locus of control and coping style as stress moderators in achievement oriented individuals
[AD-A294275] p 534 N95-34463

PERFORMANCE TESTS
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
Performance of EVA suit mobility joints influence of driving parameters
[SAE PAPER 932098] p 460 A95-90342
Stabilization of performance on a computer-based version of the multiple task performance battery p 507 A95-95172
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
Developments in ground-penetrating radar at LLNL
[DE94-012236] p 95 N95-13671
Aerospace Medical Association 63rd Annual Scienti fic Meeting Program p 142 N95-16737
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
Visual system operational evaluation
[AD-A289173] p 392 N95-27012
Practical color vision tests for air traffic control applicants: En route center and terminal facilities
[DOT/FAA/AM-95/13] p 393 N95-27323

A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376

PERIODIC VARIATIONS

Are periodicities in crater formations and mass extinctions related?
[HTN-95-50109] p 105 A95-63321

A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561

PERIPHERAL CIRCULATION

Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976

Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978

Maximal skin blood flow is decreased in elderly men
[HTN-95-A0586] p 269 A95-74287

Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359

Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276

Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297

N(sup G)-nitro-L-arginine and phenylephrine have similar effects on the vascular waterfall in the canine hindlimb
[HTN-95-91886] p 336 A95-81988

Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809

PERIPHERAL EQUIPMENT (COMPUTERS)

Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427

PERIPHERAL NERVOUS SYSTEM

Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038

Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884

PERITONEUM

Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
[HTN-95-91919] p 344 A95-82021

PERMAFROST

A physical and chemical characterization of Martian permafrost as a possible habitat for viable microorganisms p 216 A95-66782

Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783

PERMEABILITY

Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894

Pulmonary vascular resistance distribution and recruitment of microvascular surface area
[HTN-95-A0139] p 204 A95-68922

Evans blue dye in the assessment of permeability-surface area product in perfused rat lungs
[HTN-95-A0155] p 208 A95-68938

Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085

Electrical model for ion channels in excitable membranes
[BTN-94-EIX94371346929] p 269 A95-73341

Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304

Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318

Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319

Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259

A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970

Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365

Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396

Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920

The electrical behaviour of an excitable cell at different conditions
[DE95-607911] p 381 N95-27254

Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924

PERMITTIVITY

Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203

PERSONAL COMPUTERS

A PC-based system to enhance development of scenarios: Ascend (Analysis of Scenario Demands) system p 505 A95-95158

A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190

Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953

Personal computer and workstation operating systems tutorial
[AD-A280132] p 264 N95-20041

Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611

PERSONALITY

Understanding pilots' performance: An empirical scrutiny p 497 A95-95084

Finding the right stuff: Personality studies of airline pilots p 499 A95-95107

Psychological aspects of risk taking in extreme environments p 21 N95-11622

Validation of astronaut psychological select-in criteria p 171 N95-16762

Human performance in the modern cockpit p 171 N95-16764

Crew decision making under stress p 171 N95-16765

PERSONALITY TESTS

Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098

Meta-analysis of aircraft pilot selection procedures p 498 A95-95100

Personality tests in an enhanced pilot selection model p 498 A95-95102

Personality scales as predictors for job success of airlines pilots p 499 A95-95106

Finding the right stuff: Personality studies of airline pilots p 499 A95-95107

Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768

Myers-Briggs type indicators and Kirton adaption-innovation inventory correlations
[AD-A288435] p 393 N95-27181

PERSONNEL

Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873

Meeting the nation's needs for biomedical and behavioral scientists
[LC-94-66477] p 28 N95-12310

Creation of new items and forms for the Project A Assembling Objects test
[AD-A285522] p 174 N95-18095

Crosshift vibrometry: Biomarker for ergonomic stress
[AD-A284337] p 180 N95-18385

Myers-Briggs type indicators and Kirton adaption-innovation inventory correlations
[AD-A288435] p 393 N95-27181

Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238

Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846

Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083

The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610

PERSONNEL DEVELOPMENT

Use of ASRS data in an airline Human Factors department p 523 A95-95205

Human factors training for the investigator: The results of a systems approach to training development p 523 A95-95207

Aviation Epidemiology Data Register: Gender-specific attrition from the trained US Army aviator cohort of 1988
[AD-A284395] p 92 N95-15810

Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175

Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361

An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794

Aerospace physiology AFSC 4M0X1
[AD-A294839] p 532 N95-34564

PERSONNEL MANAGEMENT

Understanding pilots' performance: An empirical scrutiny p 497 A95-95084

Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361

Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909

PERSONNEL SELECTION

Commercial flight crew selection for automated flight decks p 521 A95-95099

A computerized selection test for Canadian forces Air Traffic Controllers p 498 A95-95103

Validation of the air traffic control specialist pre-training screen p 498 A95-95104

The development of cognitive tasks for the selection of air traffic control personnel p 499 A95-95105

Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872

Aerospace Medical Association 63rd Annual Scienti fic Meeting Program p 142 N95-16737

Validation of astronaut psychological select-in criteria p 171 N95-16762

Psychological training of NASA astronauts for extended missions p 171 N95-16763

Crew decision making under stress p 171 N95-16765

Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175

The Clinical Basis for Aeromedical Decision Making
[AGARD-CP-553] p 161 N95-19413

Think health not disease p 164 N95-19429

Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431

The EEG in the evaluation of applicants to aircrew members p 165 N95-19432

Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433

Astronaut selection (NASA-MIPR)
[AD-A292512] p 456 N95-29162

PERSPIRATION

Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341

Sweating response to simulated weightlessness p 441 A95-88585

PERTURBATION

Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983

PERTURBATION THEORY

Ultrashort pulse response in nonlinear dispersive media p 424 A95-90932

PESTICIDES

Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257

PETRI NETS

Proceedings of the 33d SICE (the Society of Instrument and Control Engineers) Annual Conference, part 1
[DE95-758947] p 430 N95-28947

PETROLEUM PRODUCTS

Evidence for organic synthesis in high temperature aqueous media - facts and prognosis p 421 A95-88735

PH FACTOR

Molecular dynamics at a constant pH
[HTN-95-92296] p 376 A95-85340

PHARMACOLOGY

The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789

Copper metabolism in rats fed ascorbic acid or restricted amounts of copper
[PB94-191343] p 28 N95-11902

Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809

Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485

Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
PHARYNX
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
PHASE SEPARATION (MATERIALS)
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400
Enhancement of biomembrane functions under phase-separated conditions: A self-organized criticality phenomenon?
[DE94-628489] p 308 N95-23053
PHASE SHIFT
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
PHASE TRANSFORMATIONS
Particle method for population waves
[BTN-94-EIX94341340324] p 27 A95-60860
Enhancement of biomembrane functions under phase-separated conditions: A self-organized criticality phenomenon?
[DE94-628489] p 308 N95-23053
The origin of chirality in protein amino acids
[DE94-628491] p 308 N95-23058
PHENANTHRENE
Possible evidence of hydrocarbons released by the nucleus of Halley's comet p 190 A95-66759
Polycyclic aromatic hydrocarbon ions and the diffuse interstellar bands p 194 A95-66804
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258
PHENOLOGY
Root growth and development in response to CO2 enrichment
[NASA-CR-196154] p 142 N95-16429
PHENYLALANINE
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
PHONONS
Short-lived dissipative nanostructures in solids: Did phase-ordered phonons contribute to biopolymer evolution?
[HTN-95-41643] p 358 A95-78738
PHOSPHATES
Phosphorylation of glyceric acid --- Abstract only p 112 A95-63786
Phosphate compounds in precellular and early cellular energy conversion --- Abstract only p 123 A95-63844
The role of polyphosphates at different stages of life evolution on Earth --- Abstract only p 135 A95-63895
Phosphate microaggregates in Archean sediments --- Abstract only p 135 A95-63897
Archaebacterial ribulose bisphosphate carboxylase --- Abstract only p 138 A95-63914
Chemistry of potentially prebiological natural products
[HTN-95-10288] p 140 A95-64050
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475
Is ligation the only solution to the pyrophosphate problem?
[HTN-95-A0480] p 231 A95-72551
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise
[HTN-95-A0648] p 284 A95-74349
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
PHOSPHINES
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest p 473 A95-89216
PHOSPHORUS
Life on Mars? 2: Physical restrictions p 215 A95-66773
Phosphorus as a potential guide in the search for extinct life on Mars p 216 A95-66775
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260
PHOSPHORUS COMPOUNDS
Template-directed synthesis -- A summary --- Abstract only p 113 A95-63794
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
PHOSPHORUS ISOTOPES
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
PHOSPHORUS METABOLISM
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467
PHOSPHORUS POLYMERS
A redox beginning: Which came first phosphoryl, acyl, or electron transfer ? --- Abstract only p 107 A95-63759
PHOSPHORUS 32
Oligonucleotides as probes for studying polymerization reactions under prebiotic conditions --- Abstract only p 121 A95-63833
PHOSPHORYLATION
Elemental and isotopic composition of cometary grains: Implications for abiotic synthesis --- Abstract only p 108 A95-63767
Phosphorylation of glyceric acid --- Abstract only p 112 A95-63786
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase --- Abstract only p 137 A95-63911
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme
[HTN-95-A0487] p 232 A95-72558
Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468
PHOTOCHEMICAL OXIDANTS
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
PHOTOCHEMICAL REACTIONS
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite --- Abstract only p 106 A95-63757
Ultraviolet photochemistry of cyanoacetylene: Application to Titan --- Abstract only p 110 A95-63774
Photolysis of gaseous mixtures containing phosphine or germane --- Abstract only p 184 A95-63775
Ion irradiation of organic and biological materials --- Abstract only p 111 A95-63781
Evolution of biocatalysts: Ribozymes may have been preceded by 'chelazymes' --- Abstract only p 116 A95-63809
Cellular structures from amino acid thermolysates --- Abstract only p 123 A95-63840
Phosphate compounds in precellular and early cellular energy conversion --- Abstract only p 123 A95-63844
New evidence of the antiquity of life --- Abstract only p 126 A95-63855
Chirality, cosmochemistry and life --- Abstract only p 129 A95-63868
Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis --- Abstract only p 131 A95-63877
Origin of eukaryotic cell -autogenous process from cyanobacterial world- --- Abstract only p 133 A95-63885
Light remedies for hazardous wastes
[HTN-95-41864] p 320 A95-80590
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Photobiology in medicine
[AD-A284843] p 210 N95-19695
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850
PHOTOCONDUCTORS
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
PHOTOGRAMMETRY
Integration of segmentation and stereo matching
[PB95-107819] p 255 N95-21028
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935
PHOTOGRAPHY
Light and imaging in extreme environments p 21 N95-11631
PHOTOLUMINESCENCE
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005
PHOTOLYSIS
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest p 473 A95-89216
PHOTOMETERS
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
PHOTOMULTIPLIER TUBES
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900
PHOTONS
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
PHOTORECEPTORS
Cellular structures from amino acid thermolysates --- Abstract only p 123 A95-63840
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370
Photoreceptors regulating circadian behavior: A mouse model
[AD-A285157] p 157 N95-16847
Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811

PHOTOSENSITIVITY
Postural control of fish related to gravity input
p 361 A95-82605
PHOTOSYNTHESIS
Origin of eukaryotic cell -autogenous process from cyanobacterial world- — Abstract only
p 133 A95-63885
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326
'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776
Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce
p 479 A95-93793
Elevated CO2: Impact on diurnal patterns of photosynthesis in natural microbial ecosystems
p 480 A95-93796
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean
[NASA-CR-197098] p 141 N95-15961
Physiological and genetic characterization of plant growth and gravitropism in LED light sources
p 143 N95-18173
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075
Comparison of the rate constants for energy transfer in the light-harvesting protein, C-phycocyanin, calculated from Foerster's theory and experimentally measured by time-resolved fluorescence spectroscopy
[DE94-014961] p 306 N95-22590
Biological determinants of photobioreactor design
[DE94-016032] p 306 N95-22872
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383
Energy transfer in real and artificial photosynthetic systems
[DE95-005824] p 382 N95-27948
PHOTOTROPISM
Effects of gravity and light on plant growth and performance in normal and reduced gravity
p 529 N95-32901
PHYSICAL EXAMINATIONS
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces
p 162 N95-19418
Relevance of laboratory tests in aeromedical decisions p 163 N95-19420
Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424
Think health not disease p 164 N95-19429
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
A comparison of the aeromedical administration requirements for US Air Forces and major allies
[AD-A290137] p 450 N95-29141
PHYSICAL EXERCISE
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909
Exercise-induced hypoxemia in older athletes
[HTN-95-10071] p 51 A95-61922
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
Effects of exercise and glycogen depletion on glyconeogenesis in muscle
[HTN-95-10083] p 53 A95-61934
Endurance training fails to inhibit skeletal muscle glucose uptake during exercise
[HTN-95-70074] p 75 A95-62516
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age
[HTN-95-A0128] p 202 A95-68911
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
Forearm compression during exercise increases sympathetic nerve traffic
[HTN-95-70468] p 222 A95-71490
Dose dependency of perceived breathlessness on hypoventilation during exercise in normal subjects
[HTN-95-70469] p 222 A95-71491
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
Contribution of postassium to exercise-induced vasodilation in humans
[HTN-95-70482] p 226 A95-71504
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing
[HTN-95-70486] p 227 A95-71508
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
Effects of maximal exercise and venous occlusion on fibrinolytic activity in physically active and inactive men
[HTN-95-50659] p 235 A95-73049
Effect of muscular exercise on chronic relapsing experimental autoimmune encephalomyelitis
[HTN-95-50862] p 236 A95-73052
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055
Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice
[HTN-95-50871] p 238 A95-73061
Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
Electromyographic evaluation of joint angle specificity and cross-training after isometric training
[HTN-95-A0604] p 273 A95-74305
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold
[HTN-95-A0715] p 300 A95-75284
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932

Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349
Arterial and arteriolar contributions to skeletal muscle functional hyperemia in spontaneously hypertensive rats
[HTN-95-21565] p 366 A95-83350
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
Countermeasure development to space adaptation p 439 A95-88578
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
NASA's extended duration orbiter medical program p 441 A95-88586
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
Continuous and intermittent personal microclimate cooling strategies
[HTN-95-01211] p 425 A95-91443
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
A study of zinc copper and manganese metabolism during military exercises in high temperature environment
[HTN-95-93128] p 491 A95-95629
Strength training as a counter-measure for microgravity effects p 18 N95-11608
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
Comparison of submaximal cycling and treadmill exercise at similar work rates
[AD-A283430] p 33 N95-12593
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans p 88 N95-15120
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744
Effects of weightlessness on human baroreflex function p 154 N95-16770
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866
Self-generating oscillating pressure exercise device
[NASA-CASE-ARC-12000-1] p 314 N95-23264
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A288433] p 385 N95-26779
Lockheed Stabilizer System for space exercise equipment
[NASA-CR-197657] p 471 N95-29180
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053

PHYSICAL FACTORS
Validity of the concept of absorbed dose as a physical quantity
[HTN-95-B0593] p 488 A95-93843

PHYSICAL FITNESS
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function
[HTN-95-10055] p 46 A95-61906
Exercise-induced hypoxemia in older athletes
[HTN-95-10071] p 51 A95-61922
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Effect of glucose infusion on endurance performance after beta-adrenoceptor blocker administration
[HTN-95-A0119] p 200 A95-68902
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903
Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age
[HTN-95-A0128] p 202 A95-68911
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
Maximum rate of force development is increased by antagonist conditioning contraction
[HTN-95-A0134] p 203 A95-68917
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
Training-related enhancement in the control of motor output in elderly humans
[HTN-95-70457] p 220 A95-71479
Ca(2+) and lipolysis in adipocytes from exercise-trained rats
[HTN-95-70462] p 221 A95-71484
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044
Effects of maximal exercise and venous occlusion on fibrinolytic activity in physically active and inactive men
[HTN-95-50859] p 235 A95-73049
Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects
[HTN-95-50860] p 236 A95-73050
Free fatty acid metabolism in aerobically fit individuals
[HTN-95-50863] p 236 A95-73053
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
Electromyographic evaluation of joint angle specificity and cross-training after isometric training
[HTN-95-A0604] p 273 A95-74305
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343
Maximal aerobic capacity and total blood volume in highly trained middle-aged and older female endurance athletes
[HTN-95-A0643] p 283 A95-74344
Voluntary exercise decreases progression of muscular dystrophy in diaphragm of mdx mice
[HTN-95-A0647] p 284 A95-74348
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364

Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Relationship between MRI relaxation time and muscle fiber composition
[HTN-95-00410] p 322 A95-81927
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
Countermeasure development to space adaptation
p 439 A95-88578
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846

PHYSICAL PROPERTIES

Lightweight cold weather underwear investigation
[AD-A288506] p 400 N95-26736

PHYSICAL WORK

Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936
Adaptation and overtraining in horses subjected to increasing training loads
[HTN-95-70076] p 76 A95-62518
Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow
[HTN-95-A0112] p 198 A95-68895
Effect of glucose infusion on endurance performance after beta-adrenoceptor blocker administration
[HTN-95-A0119] p 200 A95-68902
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
Maximum rate of force development is increased by antagonist conditioning contraction
[HTN-95-A0134] p 203 A95-68917
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume
[HTN-95-A0153] p 208 A95-68936
Human performance in actuating switches during tracking
[HTN-95-A0503] p 259 A95-72574
Lactate and acid-base exchange during brief intense contractions of skeletal muscle in situ
[HTN-95-A0607] p 274 A95-74308
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering
[HTN-95-A0623] p 278 A95-74324
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Ergometric studies of untrained skeletal muscle demonstrate feasibility of muscle-powered cardiac assistance
[HTN-95-A0681] p 291 A95-74382
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
Influence of isometric loading on biceps EMG dynamics as assessed by linear and nonlinear tools
[HTN-95-00412] p 322 A95-81929
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343
Hypertropy and proliferation of skeletal muscle fibers from aged quail
[HTN-95-21590] p 372 A95-83375
Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884
A conceptual model of overexertion, safety, and risk of injury in occupational settings
[HTN-95-B0070] p 377 A95-85886
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
Human force exertion in user-product interaction. Backgrounds for design
[PB95-132858] p 265 N95-21283

PHYSICIANS

Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940

PHYSICS

Nanobiological principles and the origin of life --- Abstract only p 119 A95-63821

PHYSIOCHEMISTRY

Physico-chemical characteristics of biomembranes and cell gravisensitivity p 412 A95-87508
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796

PHYSIOLOGICAL ACCELERATION

Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration
[HTN-95-90032] p 82 A95-62823

PHYSIOLOGICAL DEFENSES

Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-197367] p 246 N95-20559

PHYSIOLOGICAL EFFECTS

Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Behavior of space frog p 362 A95-82611
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster
p 363 A95-82612
How are control systems controlled?
[HTN-95-42103] p 388 A95-83869
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
The Biological System of the Elements (BSE) for terrestrial plants (glycophytes)
[GTN-95-00489697-4147] p 429 A95-92252
Low-level alcohol effects on pilot readback performance: An exploratory study p 489 A95-95132
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
Summary of the Sixteenth Annual Conference on Shock
[AD-A282643] p 32 N95-12542
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
Naval Aerospace Medical Research Laboratory. 1993 command history
[AD-A284038] p 85 N95-14424
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean
[NASA-CR-197098] p 141 N95-15961
The chronic effects on JP-8 jet fuel exposure on the lungs
[AD-A280982] p 149 N95-16515
Subset-selectivity and distractor matching in visual conjunction search
[AD-A285137] p 170 N95-16615
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Phase-shifting effects of light and activity on the human circadian clock
[AD-A281204] p 156 N95-16796
Caffeine's influence on critical frequency thresholds
[AD-A282005] p 173 N95-17447
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Physiological and genetic characterization of plant growth and gravitropism in LED light sources
p 143 N95-18173
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields
[DE94-015200] p 143 N95-18371
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-197367] p 246 N95-20559
Helicopter crewseat cushion program
[AD-A286654] p 265 N95-20973
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866
Command history, 1993
[AD-A279775] p 256 N95-21989
Cellular interactions in the suprachiasmatic nucleus
[AD-A285639] p 311 N95-23780
The 1993 Gordon Research Conference on Chronobiology
[NASA-CR-197990] p 310 N95-24047
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth
[AD-A288345] p 379 N95-26573
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
Toxicity assessment of liquid propellant XM46
p 387 N95-28319
Development and application of low-temperature AFM
[AD-A291704] p 383 N95-28525
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263
Effect of mild hydrostatic pressure on red blood cells
[AD-A290520] p 453 N95-29872
Negative to positive Gz acceleration transition
p 532 N95-34052

PHYSIOLOGICAL FACTORS
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395)
[NASA-SP-7011(395)] p 91 N95-15304
Space medicine research: Needs for the 21st century p 154 N95-16768
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
Cumulative effects of repeated brief cerebral ischemia
[AD-A284234] p 210 N95-19698
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 397)
[NASA-SP-7011(397)] p 210 N95-19746

PHYSIOLOGICAL RESPONSES
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
Postural control of fish related to gravity input p 361 A95-82605
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
Behavior of space frog p 362 A95-82611
How are control systems controlled?
[HTN-95-42103] p 388 A95-83869
Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
Biotelemetry implant volume and weight in rats: A pilot study report
[NASA-TM-108812] p 13 N95-10863
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 28 N95-12006
Comparison of submaximal cycling and treadmill exercise at similar work rates
[AD-A283430] p 33 N95-12593
Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Space flight and humoral and cellular immunity of animals p 44 N95-15113
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649
Root growth and development in response to CO2 enrichment
[NASA-CR-196154] p 142 N95-16429
Aerospace Medical Association 63rd Annual Scienti fic Meeting Program p 142 N95-16737
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
Effects of weightlessness on human baroreflex function p 154 N95-16770
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Caffeine's influence on critical frequency thresholds
[AD-A282005] p 173 N95-17447
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-197367] p 246 N95-20559
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754

PHYSIOLOGICAL TESTS
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
New advances in physiological measurements during high-G: Technology p 532 N95-34057
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058
G-protection capabilities and current G-protection issues p 538 N95-34060
Aerospace physiology AFSC 4M0X1
[AD-A294839] p 532 N95-34564
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577

PHYSIOLOGY
Dynamical assessment of physiological systems and states using recurrence plot strategies
[HTN-95-60052] p 72 A95-62160
Color and physiological arousal p 21 N95-11621
Psychological aspects of risk taking in extreme environments p 21 N95-11622
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577

PHYTOPLANKTON
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884

PHYTOTRONS
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity p 476 A95-93765
Plant-module for autonomous space-support (p-mass). p 476 A95-93766
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
Systems approach to instrumenting and controlling plant growth systems p 477 A95-93782
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects p 481 A95-93804

PICOSECOND PULSES
Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515

PIGEONS
Changes of endolymphatic pressure in the semicircular canal of pigeon by calorie stimulation
[ISBN 0-08-042485-6] p 11 A95-60679

PIGMENTS
How nature builds the pigments of life: the conquest of vitamin B-12
[BTN-94-EIX94431375202] p 436 A95-88153
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326
Color and physiological arousal p 21 N95-11621

PILOT ERROR
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855

Error in time management during fighting mission p 496 A95-95074
An approach to modeling pilot memory and developing a taxonomy of memory errors p 496 A95-95075
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
Management of human failure in the cockpit by means of a human system failure checklist p 523 A95-95199

PILOT PERFORMANCE
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
Strategic workload management and decision biases in aviation
[HTN-95-40883] p 259 A95-72260
Individual differences in pilot situation awareness
[HTN-95-40884] p 259 A95-72261
Effectiveness of PC-based flight simulation
[HTN-95-40886] p 259 A95-72263
Predicting aircraft pilot-training success: A meta-analysis of published research
[HTN-95-92289] p 388 A95-85333
Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Understanding the determinants of problem-solving behavior in a complex environment
[HTN-95-20753] p 390 A95-86643
P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645
Tactile stimulation of the human head for information display
[HTN-95-20756] p 390 A95-86646
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579
Identification of pilot dynamics including feedback structures p 454 A95-91580
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904
International Symposium on Aviation Psychology, 7th, Columbus, OH, April 26-29, 1993. Vols. 1 & 2
[HTN-95-52325] p 494 A95-95037
Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance p 516 A95-95039
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041
A comparison of performance with visual and auditory displays in a simulated target localization task p 517 A95-95042
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
Attentional limitations with Head-Up Displays p 494 A95-95046
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight p 494 A95-95047
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053
Categorization and prioritization of flight deck information p 495 A95-95054
Cognitive representations of flight-deck information attributes p 495 A95-95055
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
Task specific effects of automation and automation failure on performance, workload, and situation awareness p 519 A95-95060
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
Distributed problem solving by pilots and dispatchers p 495 A95-95065
Cockpit crises and decision making: Implications for pilot training p 495 A95-95067
Taking risks and taking advice: The role of experience in airline pilot diversions p 496 A95-95071
Expertise in aeronautical decision making: A cognitive skill analysis p 496 A95-95073
Error in time management during fighting mission p 496 A95-95074
An approach to modeling pilot memory and developing a taxonomy of memory errors p 496 A95-95075
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
Confusion on the flight deck p 496 A95-95077
The effect of scene content on speed, time, and distance perception p 497 A95-95078
Understanding pilots' performance: An empirical scrutiny p 497 A95-95084
Delayed pilot recognition in lost communication events p 520 A95-95086
Experimental evaluation of aging and pilot performance p 497 A95-95096
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098
Effects of pilot background and experience on air combat maneuvering (ACM) performance p 498 A95-95101
Personality tests in an enhanced pilot selection model p 498 A95-95102
Personality scales as predictors for job success of airlines pilots p 499 A95-95106
Finding the right stuff: Personality studies of airline pilots p 499 A95-95107
Captain upgrade CRM training: A new focus for enhanced flight operations p 501 A95-95122
Low-level alcohol effects on pilot readback performance: An exploratory study p 489 A95-95132
Anxiety and eye-hands-legs coordination in young pilots p 502 A95-95133
Imagery in aviation: Pilot training p 502 A95-95141
The development of subjective measure of work underload p 506 A95-95170
Navigational demands of low-level helicopter flight p 506 A95-95171
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
Developing subjective and objective metrics of pilot situation awareness p 508 A95-95183
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
Situation awareness and workload flip sides of the same coin p 508 A95-95185
Cockpit attention and task management: Situation awareness in the tactical fighter p 508 A95-95186
The development of a 'quality' measure of pilot performance p 509 A95-95189
A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190
Mail pilots and mischief: Meeting goals and violating rules p 510 A95-95200
Data link air traffic control and flight deck environments: Experiment in flight crew performance p 510 A95-95202
The effects of boredom on reaction time in the cockpit p 510 A95-95209
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Alertness management in two-person long-haul flight operations p 170 N95-16760
Crew decision making under stress p 171 N95-16765
Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
The NAMI syncope test battery and clinical decision-making in aviators with syncope p 164 N95-19428
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
Age 60 study. Part 1: Bibliographic database
[AD-A286245] p 257 N95-22027
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
A psychologist's view of validating aviation systems p 540 N95-34767
Certification of tactics and strategies in aviation p 541 N95-34768
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

PILOT SELECTION
Pilot-candidate selection method: Sources of validity
[HTN-95-A0502] p 259 A95-72573
Predicting aircraft pilot-training success: A meta-analysis of published research
[HTN-95-92289] p 388 A95-85333
Practice effects on the WOMBAT device p 498 A95-95097
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098
Meta-analysis of aircraft pilot selection procedures p 498 A95-95100
Personality tests in an enhanced pilot selection model p 498 A95-95102
Finding the right stuff: Personality studies of airline pilots p 499 A95-95107
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
Preliminary analysis of Army aircrew requirements for Joint Surveillance Target Attack Radar System (JSTARS): Human performance requirements and job demands
[AD-A284917] p 104 N95-15759
Computer-based psychomotor tests in optimal training track assignment of student naval aviators
[AD-A283720] p 175 N95-18414
Using computerized neuropsychological testing to assess aviator skills
[AD-A293227] p 511 N95-30905
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Selection and training of MiG-29 and future fighter pilots p 534 N95-34059

PILOT TRAINING
Designing instructional simulations: Effects of instructional control and type of training task on developing display-interpretaion skills
[HTN-95-40882] p 259 A95-72259
Effectiveness of PC-based flight simulation
[HTN-95-40886] p 259 A95-72263
Predicting aircraft pilot-training success: A meta-analysis of published research
[HTN-95-92289] p 388 A95-85333
Cockpit crises and decision making: Implications for pilot training p 495 A95-95067

Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
HOTT - a CRM course designed for the helicopter pilot p 499 A95-95108
LOS/LOFT debriefing skills and techniques p 500 A95-95119
Captain upgrade CRM training: A new focus for enhanced flight operations p 501 A95-95122
Cross-cultural attitudes of flight crew regarding CRM p 501 A95-95123
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139
High-altitude physiology training p 490 A95-95140
Imagery in aviation: Pilot training p 502 A95-95141
The hidden messages or a gestalt view of pilot training p 503 A95-95143
Windshear education in the aviation industry - an overview p 503 A95-95144
The need for a basic psychological curriculum to augment CRM training p 503 A95-95145
New diagnostic tools for measuring learning behavior in pilot trainees p 503 A95-95146
Seven aeronautical pyramides p 503 A95-95147
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148
Some implications of pilots' approaches to learning p 503 A95-95149
Some implications of pilots' approaches to learning p 503 A95-95149
Teaching aviation safety: A new methodology p 504 A95-95150
Human factors training for the new joint European (JAA) pilot licences p 504 A95-95151
A method for specifying observations in team training p 505 A95-95157
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
Cockpit attention and task management: Situation awareness in the tactical fighter p 508 A95-95186
The development of a 'quality' measure of pilot performance p 509 A95-95189
A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
Distance estimation training with night vision goggles: A preliminary study [AD-A284900] p 104 N95-15755
Computer-based psychomotor tests in optimal training track assignment of student naval aviators [AD-A283720] p 175 N95-18414
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
Human-centered design of human-computer-human dialogs in aerospace systems [NASA-CR-197379] p 313 N95-22797
Visual system operational evaluation [AD-A289173] p 392 N95-27012
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Selection and training of MiG-29 and future fighter pilots p 534 N95-34059
Certification of training p 535 N95-34774

PILOTS
Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators p 167 N95-19439
The influence of coronary artery disease on +Gz tolerance: A preliminary study [AD-A279305] p 256 N95-21941
Task-dependent effects of automation: The role of internal models in performance, workload, and situational awareness in a semi-automated cockpit [AD-A292538] p 470 N95-28969

PILOTS (PERSONNEL)
Effects of graphic and verbal probability information on command decision making [HTN-95-B0064] p 389 A95-85880
The way to waivers in the BAF p 161 N95-19415

PIPERIDINE
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole [HTN-95-10065] p 49 A95-61916

PITCH (INCLINATION)
Visual perception of elevation [AD-A284938] p 263 N95-22472

PITOT TUBES
Evaluation of a symmetrically disposed Pitot tube flowmeter for measuring gas flow during exercise [HTN-95-70458] p 220 A95-71480

PITUITARY GLAND
Pituitary cells in space [ISBN 0-08-042485-6] p 3 A95-60638
Effects of spaceflight on morphology of the rat adenonypophysis [HTN-95-A0717] p 300 A95-75286
Electrophoretic separation of cells and particles from rat pituitary --- analysis of pituitary cell electrophoresis experiment done on IML-2 (7/94) [NASA-CR-197975] p 345 N95-24475

PITUITARY HORMONES
Pituitary cells in space [ISBN 0-08-042485-6] p 3 A95-60638
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation [HTN-95-10057] p 47 A95-61908
Electrophoretic separation of cells and particles from rat pituitary --- analysis of pituitary cell electrophoresis experiment done on IML-2 (7/94) [NASA-CR-197975] p 345 N95-24475

PLANETARY ATMOSPHERES
Discrete velocity model for an escaping single-component atmosphere [HTN-95-50283] p 187 A95-65778
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Isotopic ratios in planetary atmospheres p 218 A95-66806
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations [HTN-95-81363] p 404 A95-83716
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016

PLANETARY BASES
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system [SAE PAPER 932062] p 466 A95-91641

PLANETARY COMPOSITION
Life from the stars? --- extraterrestrial sources contributing to chemical evolution on Earth [HTN-95-20821] p 230 A95-72081

PLANETARY CRATERS
Density and morphology of impact craters on tessera terrain, Venus [HTN-95-20760] p 268 A95-71120

PLANETARY ENVIRONMENTS
Terraforming with nanotechnology [HTN-95-60319] p 186 A95-65618
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices [HTN-95-60320] p 186 A95-65619
Use of the underground for extreme environments p 24 N95-11610
An overview of underground space as an extreme environment p 24 N95-11611
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777

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The cosmic origin of prebiotic molecules --- Abstract only p 106 A95-63749
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Lipids of archaebacteria --- Abstract only p 140 A95-63924
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PLANETARY GEOLOGY
The in situ exobiological investigation of the Martian surface mineralogy during unmanned missions --- Abstract only p 185 A95-63892

PLANETARY IONOSPHERES
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships [HTN-95-50108] p 181 A95-63320

PLANETARY MANTLES
Higher order statistics of planetary gravities and topographies [HTN-95-20761] p 268 A95-71121

PLANETARY MAPPING
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars p 217 A95-66787

PLANETARY METEOROLOGY
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships [HTN-95-50108] p 181 A95-63320

PLANETARY ORBITS
Designing planetary protection into the Mars observer mission p 217 A95-66786
How to move a planet [HTN-95-60883] p 358 A95-78863

PLANETARY QUARANTINE
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992 [ISBN 0-08-042540-2] p 214 A95-66751
Modern aspects of planetary protection and requirements to sterilization of space hardware p 216 A95-66785
Designing planetary protection into the Mars observer mission p 217 A95-66786
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars p 217 A95-66787
Planetary protection considerations for MarsNet and Mars sample return missions p 217 A95-66789

PLANETARY ROTATION
How to spin a planet [HTN-95-60882] p 358 A95-78862

PLANETARY STRUCTURE
Higher order statistics of planetary gravities and topographies [HTN-95-20761] p 268 A95-71121

PLANETARY SURFACES
Use of planetary soils within CELSS: The plant viewpoint p 482 A95-93813
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777

PLANETOLOGY
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016

PLANKTON
Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder [AD-A289725] p 430 N95-28685

PLANNING
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064

PLANT DISEASES
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions p 481 A95-93805
Dynamics of microorganism populations in recirculating nutrient solutions p 481 A95-93806
Control of microorganisms in flowing nutrient solutions p 481 A95-93807
Microbiological characterization of a regenerative life support system p 515 A95-93808
The structure and function of microbial communities in recirculating hydroponic systems p 481 A95-93809
Spectral quality may be used to alter plant disease development in CELSS p 482 A95-93811

PLANT ROOTS
Transduction of the gravity stimulus in the root statocyte [ISBN 0-08-042485-6] p 2 A95-60634
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Physiological, biochemical and molecular processes associated with gravitropism in roots of maize
[ISBN 0-08-042485-6] p 10 A95-60671
Seedling growth and development on space shuttle p 475 A95-93760
A root moisture sensor for plants in microgravity p 478 A95-93785
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects p 481 A95-93804
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions p 481 A95-93805
Control of microorganisms in flowing nutrient solutions p 481 A95-93807
Use of planetary soils within CELSS: The plant viewpoint p 482 A95-93813
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean
[NASA-CR-197098] p 141 N95-15961
Root growth and development in response to CO2 enrichment
[NASA-CR-196154] p 142 N95-16429
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

PLANT STRESS
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
Machine vision monitoring of plant health p 478 A95-93784

PLANTS (BOTANY)
Effects of altered gravity on plant cell processes: Results of recent space and clinostatic experiments
[ISBN 0-08-042485-6] p 3 A95-60640
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[ISBN 0-08-042485-6] p 5 A95-60649
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[HTN-95-80713] p 245 A95-73265
Effect of gravity on plant growth and cell wall properties p 363 A95-82613
Possible mechanisms of plant cell wall changes at microgravity p 408 A95-87490
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions p 408 A95-87491
An introduction to gravity perception in plants and fungi -- a multiplicity of mechanisms p 409 A95-87493
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
Action of gravireceptors: Lability hypothesis and model p 410 A95-87498
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
Energetic metabolism response in algae and higher plant species from simulation experiments with the clinostat p 410 A95-87500
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids p 410 A95-87501
The theoretical consideration of microgravity effects on a cell p 412 A95-87509
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system
[SAE PAPER 932062] p 466 A95-91641
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
The astroculture flight experiment series, validating technologies for growing plants in space p 476 A95-93763
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
Biological life support for manned missions by ESA p 513 A95-93768
Toluene removal from air by Dieffenbachia in a closed environment p 513 A95-93772
Lunar base CELSS design and analysis p 514 A95-93773
Approaches to resource recovery in controlled ecological life support systems p 514 A95-93774
Recycling of trace elements required for humans in CELSS p 488 A95-93781
Systems approach to instrumenting and controlling plant growth systems p 477 A95-93782
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
A root moisture sensor for plants in microgravity p 478 A95-93785
Novel sensor technology for monitoring and control of critical plant nutrient parameters p 478 A95-93786
Optical sensors for monitoring and control of plant growth systems p 478 A95-93787
Instrumentation for plant health and growth p 478 A95-93788
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce p 479 A95-93793
Use of planetary soils within CELSS: The plant viewpoint p 482 A95-93813
Techniques for optimal crop selection in a controlled ecological life support system p 37 N95-11962
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean
[NASA-CR-197098] p 141 N95-15961
Physiological and genetic characterization of plant growth and gravitropism in LED light sources p 143 N95-18173
Structures and functions of oligosaccharins
[DE95-003195] p 249 N95-22220
Plant metabolism and cell wall formation in space (microgravity) and on Earth
[NASA-CR-197618] p 306 N95-22801
Structural studies of complex carbohydrates of plant cell walls
[DE95-003099] p 310 N95-24075
Structures and functions of oligosaccharins
[DE95-003140] p 345 N95-24225
Structural studies of complex carbohydrates of plant cell walls
[DE95-005545] p 345 N95-24368
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
Third international congress of plant molecular biology: Molecular biology of plant growth and development
[DE95-006482] p 383 N95-28496

PLASMA DENSITY
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131

PLASMAS (PHYSICS)
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

PLASTIC PROPERTIES
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
Attempt to interpret the self-organizing mapping physiologically
[PB95-127783] p 247 N95-21112
Netherlands Institute for Brain Research progress report, 1993
[PB95-135398] p 255 N95-21352

PLATELETS
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
Evaluation of dried storage of platelets for transfusion: Physiologic integrity and hemostatic functionality
[AD-A286078] p 253 N95-20850
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851

PLETHYSMOGRAPHY
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
Acoustic calibration apparatus for calibrating plethysmographic acoustic pressure sensors
[NASA-CASE-LAR-14977-1] p 253 N95-20763

PLEURAE
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342

PLUTO ATMOSPHERE
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219

PLUTONIUM ISOTOPES
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666

PLUTONIUM 239
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666

PNEUMOGRAPHY
A simple handheld push-button device for in situ calibration of pneumotachographs
[HTN-95-A0682] p 292 A95-74383

PNEUMOTHORAX
Continuous pneumothorax monitoring by remittance measurement
[BTN-94-EIX94421282946] p 348 A95-78957

POLAR CAPS
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765

POLAR REGIONS
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362

POLARIMETERS
Digital glucosimeter-polarimeter for measuring the optical activity of solutions
[HTN-95-61167] p 399 A95-86266

POLARITY
Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822

POLICIES
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
Interim report of the advisory committee on human radiation experiments
[DE95-003265] p 352 N95-24497

POLLUTION CONTROL
Toluene removal from air by Dieffenbachia in a closed environment p 513 A95-93772
Lunar base CELSS design and analysis p 514 A95-93773
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298

POLLUTION MONITORING
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287

POLLUTION TRANSPORT
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287

POLYCARBONATES
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390

POLYCYCLIC AROMATIC HYDROCARBONS
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258

POLYCYTHEMIA
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325

POLYESTERS
Design and technical support for development of a molded fabric space suit joint
[NASA-CR-197521] p 179 N95-16894

POLYETHYLENES
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
POLYMER CHEMISTRY
A redox beginning: Which came first phosphoryl, acyl, or electron transfer ? --- Abstract only
p 107 A95-63759
Cyanide polymers in the solar system: Miller-Urey revisited --- Abstract only p 109 A95-63769
POLYMER MATRIX COMPOSITES
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
POLYMERIC FILMS
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
POLYMERIZATION
A redox beginning: Which came first phosphoryl, acyl, or electron transfer ? --- Abstract only
p 107 A95-63759
Separation and characterization of high molecular weight oligomers from ImpA and volclay reaction --- Abstract only p 112 A95-63785
Nonenzymatic peptide formation and aminoacylation --- Abstract only p 117 A95-63811
Kinetics of dimerization and oligomerization of the 5'-phosphorimidazolide of adenosine on Na(+)-montmorillonite --- Abstract only
p 121 A95-63835
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins --- Abstract only p 125 A95-63852
Prebiotic polymerization: Oxidative polymerization of 2, 3-dimercapto-1-propanol on the surface of iron(III) hydroxide oxide p 420 A95-88730
Binding of adenine and adenine-related compounds to the clay montmorillonite and the mineral hydroxylapatite
p 420 A95-88731
The role of accuracy for early stages of the origin of life p 422 A95-88742
POLYMERS
Polymers and other macromolecules in comets -- A possible relationship to the origins of life --- Abstract only p 182 A95-63751
Organic analysis of hydrogen cyanide polymers: Prebiotic and extraterrestrial chemistry
p 190 A95-66760
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
Chirality and life p 422 A95-88738
POLYNOMIALS
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
POLYNUCLEOTIDES
Polypeptide-assisted oligomerization of nucleotide analogs --- Abstract only p 114 A95-63801
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase --- Abstract only p 137 A95-63911
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606
POLYPEPTIDES
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942
The origin of the genetic code: An approach on the base of the progene hypothesis --- Abstract only
p 120 A95-63826
Organization of the human circadian system
[AD-A288223] p 449 N95-28915
POLYSACCHARIDES
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
Structural studies of complex carbohydrates of plant cell walls
[DE95-003099] p 310 N95-24075
PONDS
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4198] p 430 A95-92259
POPULATION THEORY
Particle method for population waves
[BTN-94-EIX94341340324] p 27 A95-60860
POPULATIONS
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions
p 529 N95-32729
PORTABLE EQUIPMENT
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
PORTABLE LIFE SUPPORT SYSTEMS
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design
[NASA-TM-108846] p 37 N95-11905
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
POSITION (LOCATION)
Head-up displays: Effect of information location on the processing of superimposed symbology
p 517 A95-95048
Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683
Pattern-analysis based models of masking by spatially separated sounds
[AD-A291270] p 453 N95-29933
POSITION (TITLE)
The co-pilot: Pilot's 'mate' or pilot-in-the-making? a study of ambiguity and conflict in the cockpit
p 499 A95-95109
Position-specific behaviors and their impact on crew performance: Implications for training
p 501 A95-95121
POSITIONING
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
POSITIVE IONS
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
POSITRONS
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
POSTFLIGHT ANALYSIS
The great lunar quarantine --- Apollo Project's post-mission quarantine
[HTN-95-A0582] p 384 A95-83162
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
POSTURE
Ethological experiments on human orientation behavior within a three-dimensional space-in microgravity
[ISBN-0-08-042485-6] p 15 A95-60684
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540
Failure of hemoconcentration during standing to reveal plasma volume decline induced in the erect posture
[HTN-95-50886] p 241 A95-73076
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats
[HTN-95-50887] p 242 A95-73077
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
Postural control of fish related to gravity input
p 361 A95-82605
Human pulmonary vasculr and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
An observation of vestibular spinal relationship
p 438 A95-88569
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans
p 438 A95-88571
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys
p 417 A95-88580
Sweating response to simulated weightlessness
p 441 A95-88585
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448
Disorientation and postural disequilibrium from simulated flight p 490 A95-95164
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
Centrifuges in gravitational physiology research
p 91 N95-15147
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest
p 156 N95-16780
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
Helicopter crewseat cushion program
[AD-A286654] p 265 N95-20973
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
Role of somatosensory and vestibular cues in attenuating visually induced human postural sway
[NASA-CR-197845] p 393 N95-27697
Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907
POTABLE WATER
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702
Evaluation of Pureau water for use as emergency drinking water for ADF aircraft
[MRL-TN-648] p 181 N95-19502
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818
POTASSIUM
Life on Mars? 2: Physical restrictions
p 215 A95-66773
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
Effect of Na(+) and K(+) channel blockade on baseline and anoxia-induced catecholamine release from rat carotid body
[HTN-95-70467] p 222 A95-71489
Contribution of postassium to exercise-induced vasodilation in humans
[HTN-95-70482] p 226 A95-71504

Changes in potassium contractures due to simulated weightlessness in rat soleus muscle
[HTN-95-50866] p 237 A95-73056
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
Interactive effects of K(+), acidosis, and catecholamines on isolated rabbit heart; implications for exercise
[HTN-95-A0695] p 295 A95-75264
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
Unidirectional sodium and potassium flux in myogenic L6 cells: Mechanisms and volume-dependent regulation
[HTN-95-21587] p 372 A95-83372
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924

POTASSIUM 40
Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview — Abstract only p 111 A95-63783

POTATOES
Clinostation influence on regeneration of cell wall in Solanum tuberosum L. protoplasts
[ISBN 0-08-042485-6] p 4 A95-60642
Carbon Dioxide interactions with irradiance and termperature in potatoes p 479 A95-93790
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
Solid matrix and liquid culture procedures for growth of potatoes p 482 A95-93815
Growth of potatoes for CELSS
[NASA-CR-177646] p 37 N95-11949
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

POTENTIAL ENERGY
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606

POWER
Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects
[HTN-95-50860] p 236 A95-73050
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336

POWER LINES
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981

POWER SPECTRA
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002

PRECAMBRIAN PERIOD
Inorganic self-organisation in Precambrian cherts
[HTN-95-10291] p 140 A95-64053

PRECISION
Test reliability and experimental power
[AD-A279607] p 260 N95-19957

PRECONDITIONING
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445

PREDICTION ANALYSIS TECHNIQUES
Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552

PREDICTIONS
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775
Space robot telemanipulation experiment using predictive display p 394 A95-82465
Using second law analysis to predict the efficiency of ECLSS subsystems
[SAE PAPER 932061] p 466 A95-91640
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098
Meta-analysis of aircraft pilot selection procedures p 498 A95-95100
Personality tests in an enhanced pilot selection model p 498 A95-95102
Meeting the nation's needs for biomedical and behavioral scientists
[LC-94-66477] p 28 N95-12310
Space medicine research: Needs for the 21st century p 154 N95-16768
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
Use of body surface heat patterns for predicting and evaluating acute lower extremity pain among soldiers
[AD-A292829] p 493 N95-31446

PREFLIGHT ANALYSIS
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379

PRESERVING
The preservation of human surrogates for biomechanical studies p 537 N95-33312

PRESSURE BREATHING
Respiratory response to inhaled CO2 during positive inspiratory pressure in humans
[HTN-95-A0141] p 205 A95-68924
Hyperinflation with intrinsic PEEP and respiratory muscle blood flow
[HTN-95-50867] p 237 A95-73057
Apnea after normocapnic mechanical ventilation during NREM sleep
[HTN-95-50876] p 239 A95-73066
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561
Positive pressure breathing for G protection (PBG) p 538 N95-34055

PRESSURE DEPENDENCE
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003

PRESSURE EFFECTS
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Investigation of pressure regulation in an archaebacterial enzyme
[AD-A281413] p 142 N95-16164
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
Effect of mild hydrostatic pressure on red blood cells
[AD-A290520] p 453 N95-29872

PRESSURE MEASUREMENT
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Acoustic calibration apparatus for calibrating plethysmographic acoustic pressure sensors
[NASA-CASE-LAR-14977-1] p 253 N95-20763
Non-invasive method and apparatus for monitoring intracranial pressure and pressure volume index in humans
[NASA-CASE-LAR-13894-1] p 385 N95-26889
New advances in physiological measurements during high-G: Technology p 532 N95-34057

PRESSURE REDUCTION
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1) p 84 N95-14224
A proposal to study gender differences in the rates of decompression sickness
[AD-A281854] p 147 N95-16297
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure
[AD-A285389] p 262 N95-20609
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665

PRESSURE REGULATORS
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376

PRESSURE SENSORS
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984
Acoustic calibration apparatus for calibrating plethysmographic acoustic pressure sensors
[NASA-CASE-LAR-14977-1] p 253 N95-20763

PRESSURE SUITS
Manipulating the arterial pressure to prevent G-LOC p 88 N95-15123
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755

PRESSURIZED CABINS
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627

PRESTRESSING
Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
PRETREATMENT
Radiation: What determines the risk?
p 350 A95-81450
PREVENTION
Radiation: What determines the risk?
p 350 A95-81450
Radiation protection for human interplanetary spaceflight and planetary surface operations
p 350 A95-81451
Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats
[HTN-95-93122] p 486 A95-95623
Acute radiation sickness amelioration analysis
[AD-A279084] p 256 N95-21629
PRIMATES
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789
PRIMITIVE EARTH ATMOSPHERE
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions --- Abstract only p 109 A95-63768
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (2) --- Abstract only
p 110 A95-63779
Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile --- Abstract only
p 111 A95-63780
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere --- Abstract only p 113 A95-63790
Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein --- Abstract only p 123 A95-63841
Earth's early atmosphere: How reducing was it? --- Abstract only p 126 A95-63856
Life in Isua times? A frontier revisited --- Abstract only
p 127 A95-63857
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life --- Abstract only
p 184 A95-63860
Formation and alteration of organic compounds under submarine hydrothermal vent environments --- Abstract only p 134 A95-63889
Can hyperthermophilic procaryotes tell us anything about the primitive earth? --- Abstract only p 139 A95-63917
Cometary origin of the biosphere: A progress report
p 189 A95-66757
Surface-atmosphere interactions on Titan compared with those on the pre-biotic Earth p 193 A95-66793
Chirality and life p 422 A95-88738
PRIORITIES
Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041
Categorization and prioritization of flight deck information p 495 A95-95054
PROBABILITY THEORY
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552
Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436
PROBES
Evaluation of a transit-time system for the chronic measurement of blood flow in conscious sheep
[HTN-95-91892] p 338 A95-81994
Fiber-optic luminescence probes for biomedical studies
[HTN-95-61166] p 399 A95-86265
PROBLEM SOLVING
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Understanding the determinants of problem-solving behavior in a complex environment
[HTN-95-20753] p 390 A95-86643
Distributed problem solving by pilots and dispatchers
p 495 A95-95065
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642
Crew decision making under stress
p 171 N95-16765
A framework for the analysis of cognitive tasks
[AD-A285345] p 172 N95-16835
Creation of new items and forms for the Project A Assembling Objects test
[AD-A285522] p 174 N95-18095
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884
Myers-Briggs type indicators and Kirton adaption-innovation inventory correlations
[AD-A288435] p 393 N95-27181
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
A cognitive architecture for solving ill-defined problems
[AD-A293582] p 512 N95-31686
PROCEDURES
The way to waivers in the BAF p 161 N95-19415
PROCESS CONTROL (INDUSTRY)
Design issues of human operator support systems
[PB94-191376] p 36 N95-11778
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support
[PB94-215597] p 181 N95-19412
PRODUCT DEVELOPMENT
Design and technical support for development of a molded fabric space suit joint
[NASA-CR-197521] p 179 N95-16894
Human force exertion in user-product interaction. Backgrounds for design
[PB95-132858] p 265 N95-21283
PRODUCTION MANAGEMENT
Ownership and accountability - they're not just buzzwords
[CONGRESS PAPER C428-14-201]
p 469 A95-91707
Cellular manufacturing - design and implementation
[CONGRESS PAPER C428-14-202]
p 469 A95-91708
Blending people and technology
[CONGRESS PAPER C428-14-203]
p 469 A95-91709
PRODUCTIVITY
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
Ownership and accountability - they're not just buzzwords
[CONGRESS PAPER C428-14-201]
p 469 A95-91707
Cellular manufacturing - design and implementation
[CONGRESS PAPER C428-14-202]
p 469 A95-91708
Blending people and technology
[CONGRESS PAPER C428-14-203]
p 469 A95-91709
PROGRAMMING ENVIRONMENTS
Design issues of human operator support systems
[PB94-191376] p 36 N95-11778
PROGRESS
Perception of complex auditory patterns
[AD-A284189] p 159 N95-18626
PROJECT MANAGEMENT
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
Results of an International Space Crew Debrief
p 152 N95-16750
PROJECT SETI
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026
PROJECTILES
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298
PROKARYOTES
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive
p 422 A95-88744
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
PROMETHAZINE
Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741
PROPELLANT TESTS
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
PROPELLANTS
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298
PROPHYLAXIS
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
PROPIONIC ACID
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384
PROPRIOCEPTION
Unusual visual stimulation in dynamic balance conditions: Proposal for a space motion sickness test
[ISBN 0-08-042485-6] p 15 A95-60680
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
PROPRIOCEPTORS
Comparison of space adaptation and vestibular compensation p 436 A95-88561
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment
p 437 A95-88562
PROPYLENE
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest
p 473 A95-89216
PROSTAGLANDINS
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
Developmental differences in vascular responses to hypoxia in lungs of rabbits
[HTN-95-A0104] p 196 A95-68887
Role of nonenzymatically generated prostanoid, 8-iso-PGF(sub 2 alpha) in pulmonary oxygen toxicity
[HTN-95-70479] p 225 A95-71501
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995
Effect of fluoride on cardiopulmonary function and release of eicosanoids in pigs
[HTN-95-91898] p 339 A95-82000
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
PROTECTION
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754
PROTECTIVE CLOTHING
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Continuous and intermittent personal microclimate cooling strategies
[HTN-95-01211] p 425 A95-91443
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 394)
[NASA-SP-7011(394)] p 34 N95-13230
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399)
[NASA-SP-7011(399)] p 256 N95-21947

Fuzzy clustering of facial form for prototyping environmental protection equipment
[DE94-014657] p 267 N95-22466
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 400)
[NASA-SP-7011(400)] p 352 N95-24464
Lightweight cold weather underwear investigation
[AD-A288506] p 400 N95-26736
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370

PROTECTIVE COATINGS
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350

PROTECTORS
Releaseable unconstrained inflatable body protector
[AD-D017350] p 524 N95-30552

PROTEIN METABOLISM
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020
Protein requirements for long term missions p 488 A95-93778
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
USAF cellular mechanism of turnover of the stress induced protein HSP70
[AD-A285618] p 251 N95-19898

PROTEIN SYNTHESIS
USAF cellular mechanism of turnover of the stress induced protein HSP70
[AD-A285618] p 251 N95-19898
Open problems of computational molecular biology
[DE95-000895] p 306 N95-22866
Analysis of structural domains required for phytochrome function by in vitro mutagenesis
[DE94-016230] p 307 N95-22884

PROTEINS
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
Advantage of normalizing force production to myofibrillar protein in skeletal muscle cross-sectional area
[HTN-95-60044] p 70 A95-62152
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process
[BTN-94-EIX94341340604] p 105 A95-63569
A model for the prebiotic synthesis of proteins — Abstract only p 118 A95-63819
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell — Abstract only p 118 A95-63820
Nanobiological principles and the origin of life — Abstract only p 119 A95-63821
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
Effect of fluoride on cardiopulmonary function and release of eicosanoids in pigs
[HTN-95-91898] p 339 A95-82000
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848
Proximate nutritional composition of CELSS crops grown at different CO2 partial pressures p 477 A95-93780
Rational enzyme redesign
[DE94-014565] p 29 N95-12677
Conformation of membrane proteins: Bacteriorhodopsin
[AD-A281282] p 30 N95-13373
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Are otoconia dynamic in birds and mammals? p 43 N95-15103
Concentration and temperature effects on ovostatin activity p 144 N95-18997
USAF cellular mechanism of turnover of the stress induced protein HSP70
[AD-A285618] p 251 N95-19898
Skeletal muscle ischemia and heat shock proteins
[AD-A285364] p 252 N95-20549
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075
Comparison of the rate constants for energy transfer in the light-harvesting protein, C-phycocyanin, calculated from Foerster's theory and experimentally measured by time-resolved fluorescence spectroscopy
[DE94-014961] p 306 N95-22590
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
Analysis of structural domains required for phytochrome function by in vitro mutagenesis
[DE94-016230] p 307 N95-22884
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
The origin of chirality in protein amino acids
[DE94-628491] p 308 N95-23058
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
Overview of selected molecular biological databases
[DE95-005906] p 346 N95-25181
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
Parallel continuation-based global optimization for molecular conformation and protein folding
[DE95-005860] p 432 N95-30114

PROTOBIOLOGY
Evidence that the protocell was also a protoneuron — Abstract only p 126 A95-63854
Evolution of biosynthesis of hydrophobic amino acids — Abstract only p 132 A95-63879

PROTOCOL (COMPUTERS)
A database for analyzing sequential behavioral data and their associated cognitive models
[AD-A280061] p 260 N95-19887

PROTON BEAMS
The relative biological effectiveness of attenuated protons p 321 A95-81449

PROTON IRRADIATION
Formation and alteration of organic compounds under submarine hydrothermal vent environments — Abstract only p 134 A95-63889
The relative biological effectiveness of attenuated protons p 321 A95-81449

PROTONS
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720

PROTOPLASTS
Clinostation influence on regeneration of cell wall in Solanum tuberosum L. protoplasts
[ISBN 0-08-042485-6] p 4 A95-60642
Development of plant protoplasts during the IML-1 mission
[ISBN 0-08-042485-6] p 6 A95-60655

PROTOPROTEINS
Amino acid distribution in acient and derived proteins — Abstract only p 117 A95-63814
Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein — Abstract only p 123 A95-63841
The origin of genetic information — Abstract only p 123 A95-63843

PROTOSTARS
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206

PROTOTYPES
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851
Fuzzy clustering of facial form for prototyping environmental protection equipment
[DE94-014657] p 267 N95-22466
Design considerations for FrankTalk: A distributed group support system
[AD-A289386] p 401 N95-26863
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667

PROTOZOA
Approaches to the selection of an RNA replicase — Abstract only p 113 A95-63792
Directed evolution of catalytic RNA — Abstract only p 113 A95-63793
The evolution of life without oxygen
[HTN-95-42101] p 375 A95-83867

PROVISIONING
Bio-regenerative life support systems for human planetary missions — Abstract only p 145 A95-63898

PSYCHOACOUSTICS
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
Perception of auditory events: Attentional limitations
[AD-A284399] p 95 N95-15770

PSYCHOLOGICAL EFFECTS
Overwintering in the Antarctica as an analog for long term manned spaceflight
[ISBN-0-08-042485-6] p 15 A95-60686
Effectiveness of PC-based flight simulation
[HTN-95-40886] p 259 A95-72263
Psychological challenges of manned spaceflight
[HTN-95-11448] p 354 A95-79426
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
Results of an International Space Crew Debrief p 152 N95-16750
Is the pilot fit for flying after an accident? p 164 N95-19425
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A288433] p 385 N95-26779

PSYCHOLOGICAL FACTORS
Meeting human needs
[AAS PAPER 91-313] p 457 A95-87470
Habitability of Australian Antarctic stations p 24 N95-11603
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615
Psychological training of NASA astronauts for extended missions p 171 N95-16763
Is the pilot fit for flying after an accident? p 164 N95-19425
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
Neural models of motion perception
[AD-A286560] p 262 N95-20845
Life sciences program
[NASA-CR-197658] p 432 N95-30292

PSYCHOLOGICAL SETS
Test reliability and experimental power
[AD-A279607] p 260 N95-19957

PSYCHOLOGICAL TESTS
Individual differences in pilot situation awareness
[HTN-95-40884] p 259 A95-72261
Pilot-candidate selection method: Sources of validity
[HTN-95-A0502] p 259 A95-72573
Practice effects on the WOMBAT device p 498 A95-95097
A computerized selection test for Canadian forces Air Traffic Controllers p 498 A95-95103
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
The development of cognitive tasks for the selection of air traffic control personnel p 499 A95-95105
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768

Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761
Validation of astronaut psychological select-in criteria p 171 N95-16762
Computer-based psychomotor tests in optimal training track assignment of student naval aviators [AD-A283720] p 175 N95-18414
Comparing performance on implicit memory tests [AD-A284861] p 212 N95-19740
Test reliability and experimental power [AD-A279607] p 260 N95-19957
Cognitive diagnosis combined with latent trait theory and multiphase responses [AD-A288701] p 355 N95-26010
Codes of processing and multiple resources: Model and methodology [AD-A289583] p 391 N95-26691
Handbook of perception and human performance, volume 2. Cognitive processes and performance [AD-A289587] p 391 N95-26692
Myers-Briggs type indicators and Kirton adaption-innovation inventory correlations [AD-A288435] p 393 N95-27181
Visualization of CAD objects using a stereoscopic display [AD-A290034] p 457 N95-29439
Using computerized neuropsychological testing to assess aviator skills [AD-A293227] p 511 N95-30905
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment [AD-A293779] p 511 N95-31376
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance [AD-A293798] p 512 N95-31585

PSYCHOLOGY
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs [AD-A284928] p 169 N95-16140
Facilitation and interference in identification of pictures and words [AD-A285882] p 212 N95-19602
Enhancing the effects of diversity awareness training: A review of the research literature [DOT/FAA/AM-95/10] p 391 N95-26361
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop [PB95-184941] p 392 N95-26909

PSYCHOMETRICS
Pilot-candidate selection method: Sources of validity [HTN-95-A0502] p 259 A95-72573
A computerized selection test for Canadian forces Air Traffic Controllers p 498 A95-95103
Validation of MMPI scales for personality disorders: A pilot and other aviator study [AD-A284397] p 95 N95-15768
Creation of new items and forms for the Project A Assembling Objects test [AD-A285522] p 174 N95-18095
Test reliability and experimental power [AD-A279607] p 260 N95-19957

PSYCHOMOTOR PERFORMANCE
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture [HTN-95-10106] p 59 A95-61957
Behavioral effects of carbon monoxide: Meta analyses and extrapolations [HTN-95-10108] p 60 A95-61959
Human performance in actuating switches during tracking [HTN-95-A0503] p 259 A95-72574
Experimental study of electronically based instrument approach plates [HTN-95-A0504] p 260 A95-72575
Psychophysiological measures of workload during continuous manual performance [HTN-95-B0068] p 389 A95-85884
Effects of aging, skill modification, and demand alternation on multiple-task performance [HTN-95-B0110] p 378 A95-85926
Anxiety and eye-hands-legs coordination in young pilots p 502 A95-95133
Situational awareness in complex systems [AD-A281448] p 168 N95-15959
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs [AD-A284928] p 169 N95-16140
Computer-based psychomotor tests in optimal training track assignment of student naval aviators [AD-A283720] p 175 N95-18414
Age 60 study. Part 4: Experimental evaluation of pilot performance [AD-A286248] p 161 N95-19385
CO2-O2 interactions in extension of tolerance to acute hypoxia [NASA-CR-198575] p 451 N95-29158
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment [AD-A293779] p 511 N95-31376
Contextual interference effects on acquisition and transfer of a complex motor task [AD-A293788] p 512 N95-31583

PSYCHOPHYSICS
Constructing visual perception [HTN-95-81495] p 375 A95-85209
How are three-dimensional objects represented in the brain? [AD-A282367] p 34 N95-11942
Visual psychophysics of egomotion [AD-A282547] p 35 N95-12495
Presentations of shape in object recognition and long-term visual memory [AD-A281336] p 168 N95-16010

PSYCHOPHYSIOLOGY
Psychophysical foundations of a model of amplified night vision in target detection tasks [HTN-95-B0066] p 389 A95-85882
Toward a psychophysical assessment of dynamic changes in mental workload [HTN-95-B0109] p 397 A95-85925
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition [HTN-95-93114] p 511 A95-95615
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations [NASA-TM-108838] p 16 N95-10861
Blink rate as a measure of fatigue: A review [DOT/FAA/AM-94/17] p 21 N95-11683
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches) [AGARD-AR-324] p 34 N95-12133
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations [NASA-TM-108856] p 91 N95-15649
Subset-selectivity and distractor matching in visual conjunction search [AD-A285137] p 170 N95-16615
Temporal pacing in visual attention [AD-A289785] p 355 N95-26041
Stimulus-response compatibility [PB95-214722] p 537 N95-33237

PSYCHOSES
Validation of MMPI scales for personality disorders: A pilot and other aviator study [AD-A284397] p 95 N95-15768

PUBLIC HEALTH
Human hair radioactivity in the Chernobyl area [GTN-95-09258388-4039] p 424 A95-89463
Meeting the nation's needs for biomedical and behavioral scientists [LC-94-66477] p 28 N95-12310
Man-machine interfaces in health care p 97 N95-14029
How health risk from radiation is assessed [DE95-003477] p 311 N95-23142

PULMONARY CIRCULATION
Leukocyte kinetics in pulmonary microcirculation: Intravital fluorescence microscopic study [HTN-95-10074] p 51 A95-61925
Relationships between regional ventilation and vascular and extravascular volume in supine humans [HTN-95-10130] p 65 A95-61981
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans [HTN-95-10131] p 66 A95-61982
Distribution function of transit times in the human pulmonary circulation [HTN-95-10133] p 66 A95-61984
Developmental differences in vascular responses to hypoxia in lungs of rabbits [HTN-95-A0104] p 196 A95-68887
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans [HTN-95-A0108] p 197 A95-68891
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood [HTN-95-A0109] p 197 A95-68892
Regional lung hematocrit variation and assessment of acute lung injury [HTN-95-A0111] p 198 A95-68894
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree [HTN-95-A0121] p 200 A95-68904
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data [HTN-95-A0125] p 201 A95-68908
Diameters of juxtacapillary venules determined by oil-drop method in rat lung [HTN-95-A0126] p 201 A95-68909
Pulmonary vascular resistance distribution and recruitment of microvascular surface area [HTN-95-A0139] p 204 A95-68922
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation [HTN-95-A0145] p 206 A95-68928
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume [HTN-95-A0153] p 208 A95-68936
Evans blue dye in the assessment of permeability-surface area product in perfused rat lungs [HTN-95-A0155] p 208 A95-68938
Altered mechanical properties of lung parenchyma in postobstructive pulmonary vasculopathy [HTN-95-70484] p 226 A95-71506
Time course of blood volume changes in an isolated lung lobe after venous pressure elevation [HTN-95-70496] p 229 A95-71518
TNF potentiates PAF-induced pulmonary vasoconstriction in the rat: Role of neutrophils and thromboxane A(sub 2) [HTN-95-70497] p 229 A95-71519
Effect of chronic hypoxia on pulmonary vascular pressures in isolated lungs of newborn pigs [HTN-95-70498] p 229 A95-71520
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep [HTN-95-50897] p 244 A95-73087
Use of scaling theory to relate measurements of lung endothelial barrier permeability [HTN-95-50898] p 244 A95-73088
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs [HTN-95-A0588] p 270 A95-74289
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs [HTN-95-A0597] p 272 A95-74298
Recovery from increased pressure or increased leakiness edema in perfused sheep lungs [HTN-95-A0602] p 273 A95-74303
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma [HTN-95-A0617] p 277 A95-74318
Pulmonary capillary transport function from flow-limited indicators [HTN-95-A0618] p 277 A95-74319
Pulmonary arterial smooth muscle contractility in hypoxia-induced pulmonary hypertension [HTN-95-A0622] p 278 A95-74323
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs [HTN-95-A0628] p 279 A95-74329
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA [HTN-95-A0629] p 280 A95-74330
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass [HTN-95-A0631] p 280 A95-74332
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets [HTN-95-A0632] p 280 A95-74333
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries [HTN-95-A0656] p 286 A95-74357
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs [HTN-95-A0659] p 286 A95-74360
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats [HTN-95-A0688] p 293 A95-75257
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion [HTN-95-A0690] p 294 A95-75259
Removal of albumin microinjected in rat lung perimicrovascular space [HTN-95-A0705] p 297 A95-75274
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia [HTN-95-A0706] p 297 A95-75275
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung [HTN-95-A0710] p 298 A95-75279
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia [HTN-95-A0721] p 301 A95-75290

Effects of pulmonary blood flow on the fractal nature of flow heterogeneity in sheep lungs
[HTN-95-A0724] p 302 A95-75293
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932
Flow pulsatility does not increase mean microvascular pressure or filtration in zone 3 rabbit lungs
[HTN-95-00424] p 325 A95-81941
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
[HTN-95-00440] p 329 A95-81957
Contribution of pulmonary versus systemic perfusion of airway smooth muscle
[HTN-95-91877] p 334 A95-81979
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
Carbon monoxide does not modulate pulmonary vascular reactivity in isolated rat lungs
[AD-A283190] p 143 N95-17714

PULMONARY FUNCTIONS

Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
Leukocyte kinetics in pulmonary microcirculation: Intravital fluorescence microscopic study
[HTN-95-10074] p 51 A95-61925
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943
Acetylcholine and carotid body excitation during hypoxia in the cat
[HTN-95-10094] p 57 A95-61945
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep
[HTN-95-10097] p 57 A95-61948
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men
[HTN-95-10100] p 58 A95-61951
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
Human lung impedance from spontaneous breathing frequencies to 32 Hz
[HTN-95-10117] p 62 A95-61968
Myosin and actin filament lengths in diaphragms from emphysematous hamsters
[HTN-95-10120] p 63 A95-61971
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise
[HTN-95-70077] p 76 A95-62519
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
Ventilatory response to randomly modulated hypercapnia and hypoxia in humans
[HTN-95-70093] p 80 A95-62535
Pulmonary airway area by the two-microphone acoustic reflection method
[HTN-95-70101] p 82 A95-62543
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans
[HTN-95-A0108] p 197 A95-68891
Serial distribution of airway mechanical properties in dogs: Effects of histamine
[HTN-95-A0110] p 197 A95-68893
Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow
[HTN-95-A0112] p 198 A95-68895
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
Altered mechanical properties of lung parenchyma in postobstructive pulmonary vasculopathy
[HTN-95-70484] p 226 A95-71506
Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
Time course of augmentation and depression of hypoxic ventilatory responses at altitude
[HTN-95-A0615] p 276 A95-74316
Tracheal mucosal edema in hydrostatic pulmonary edema
[HTN-95-A0619] p 277 A95-74320
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
Pulmonary arterial smooth muscle contractility in hypoxia-induced pulmonary hypertension
[HTN-95-A0622] p 278 A95-74323
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure
[HTN-95-A0679] p 291 A95-74380
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292
Measurement of high volumes by nitrogen washout method
[HTN-95-A0734] p 304 A95-75303
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00428] p 326 A95-81945
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity
[HTN-95-00437] p 329 A95-81954
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
The chronic effects on JP-8 jet fuel exposure on the lungs
[AD-A280982] p 149 N95-16515

PULSE AMPLITUDE

Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846

PULSE DURATION

Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789

PULSED LASERS

Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
Effects of irradiance and spot size on pulsed holmium laser ablation of tissue
[BTN-94-EIX94421282961] p 349 A95-78961
Theoretical modeling of ocular tissue damage by short pulse laser
[AD-A280928] p 16 N95-10533
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789

PULSED RADIATION

Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361

PULSES

Ultrashort pulse response in nonlinear dispersive media p 424 A95-90932
Deeper-penetrating waves in lossy media p 424 A95-90934

PURIFICATION

To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059

PURINES

Site of adsorption of nucleic bases and their derivatives on clay surfaces — Abstract only p 112 A95-63789
An approach to prebiotic synthesis of oligoribonucleotides — Abstract only p 114 A95-63797
Three stages during the evolution of the genetic code — Abstract only p 118 A95-63817

A model for the prebiotic synthesis of proteins --- Abstract only p 118 A95-63819
Oligomerization of nucleotide imidazolides on Na(+)-montmorillonite clay: A model for the prebiotic synthesis of RNA --- Abstract only p 122 A95-63836
Purines: Their role in biopoiesis, biological evolution and oncogenesis --- Abstract only p 133 A95-63884
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357

PYRENES
Polycyclic aromatic hydrocarbon ions and the diffuse interstellar bands p 194 A95-66804
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258

PYRIDINES
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA --- Abstract only p 115 A95-63802

PYRIMIDINES
Ultraviolet photochemistry of cyanoacetylene: Application to Titan --- Abstract only p 110 A95-63774
Site of adsorption of nucleic bases and their derivatives on clay surfaces --- Abstract only p 112 A95-63789
An approach to prebiotic synthesis of oligoribonucleotides --- Abstract only p 114 A95-63797
Oligomerization of a nucleotide analog related to barbituric acid --- Abstract only p 115 A95-63804
Three stages during the evolution of the genetic code --- Abstract only p 118 A95-63817
A model for the prebiotic synthesis of proteins --- Abstract only p 118 A95-63819
Oligomerization of nucleotide imidazolides on Na(+)-montmorillonite clay: A model for the prebiotic synthesis of RNA --- Abstract only p 122 A95-63836
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054

PYROLYSIS
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797

PYROTECHNICS
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298

PYRUVATES
Exercise O2 transport model assuming zero cytochrome PO2 at dot-VO2(sub max)
[HTN-95-A0122] p 200 A95-68905

Q

QUALIFICATIONS
Military aeromedical psychology training
[HTN-95-A0505] p 260 A95-72576

QUALITATIVE ANALYSIS
Qualitative reasoning methods for CELSS modeling p 515 A95-93798
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061

QUALITY CONTROL
Design and technical support for development of a molded fabric space suit joint
[NASA-CR-197521] p 179 N95-16894
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061
Relevance of laboratory tests in aeromedical decisions p 163 N95-19420

QUANTITATIVE ANALYSIS
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061

QUANTUM CHEMISTRY
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546

QUANTUM MECHANICS
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963

QUANTUM THEORY
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546

QUINONES
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850

R

RACE FACTORS
Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361

RADAR APPROACH CONTROL
Reliability and validity assessments of task analyses using Miller's terminology p 508 A95-95187
Pathfinder analysis of Miller's task analysis terminology p 510 A95-95208

RADAR DETECTION
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180

RADAR IMAGERY
Developments in ground-penetrating radar at LLNL
[DE94-012236] p 95 N95-13671

RADAR TRACKING
Designing instructional simulations: Effects of instructional control and type of training task on developing display-interpretaion skills
[HTN-95-40882] p 259 A95-72259

RADARSCOPES
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control p 521 A95-95094

RADIANT FLUX DENSITY
Calculation of characteristic x rays in diagnostic d-ray spectrum
[BTN-94-EIX94341341389] p 145 A95-65124

RADIATION
How health risk from radiation is assessed
[DE95-003477] p 311 N95-23142
Radiation in everyday life
[DE95-604111] p 379 N95-26597

RADIATION ABSORPTION
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix
[HTN-95-41642] p 357 A95-78737
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence p 435 A95-87832

RADIATION COUNTERS
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881

RADIATION DAMAGE
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I p 404 A95-83983
ERA-experiment 'space biochemistry' p 404 A95-83984
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
Radiation in everyday life
[DE95-604111] p 379 N95-26597
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

RADIATION DETECTORS
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934

RADIATION DISTRIBUTION
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Radiation in everyday life
[DE95-604111] p 379 N95-26597

RADIATION DOSAGE
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
Radiation environment during the long space mission (Mars) due to galactic cosmic rays p 349 A95-81432
Relating space radiation environments to risk estimates p 321 A95-81446
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
Space radiation issues within the Space Exploration Initiative (SEI) p 321 A95-81454
Radiation health for a Mars mission p 383 A95-82602
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
Considerations for human exposure standards for fast-rise-time high-peak-power electromagnetic pulses
[HTN-95-92918] p 446 A95-91856
Validity of the concept of absorbed dose as a physical quantity
[HTN-95-B0593] p 488 A95-93843
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083
How health risk from radiation is assessed
[DE95-003477] p 311 N95-23142
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934
Radiation in everyday life
[DE95-604111] p 379 N95-26597
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730

RADIATION EFFECTS
Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview --- Abstract only p 111 A95-63783
Phylogeny of proton pumping ATPases: Implication for the early evolution of life --- Abstract only p 124 A95-63845
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
Time resolving detector systems for radiobiological investigations of effects of single heavy ions p 349 A95-81440
The relative biological effectiveness of attenuated protons p 321 A95-81449
Radiation: What determines the risk? p 350 A95-81450
Radiation protection for human interplanetary spaceflight and planetary surface operations p 350 A95-81451
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815

Laser induced tissue temperature changes
p 432 A95-87816
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817
Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
Overview of current medical laser applications: Triumphs and failures p 434 A95-87825
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation
p 434 A95-87826
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
Considerations for human exposure standards for fast-rise-time high-peak-power electromagnetic pulses
[HTN-95-92918] p 446 A95-91856
Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342
Photobiology in medicine
[AD-A284843] p 210 N95-19695
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911
How health risk from radiation is assessed
[DE95-003477] p 311 N95-23142
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF
p 309 N95-23821
Interim report of the advisory committee on human radiation experiments
[DE95-003265] p 352 N95-24497
Human radiation experiments: The Department of Energy roadmap to the story and the records
[DE95-006364] p 354 N95-25371
Life sciences program
[NASA-CR-197658] p 432 N95-30292
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions
p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI)
p 528 N95-32725
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions
p 529 N95-32729
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

RADIATION HAZARDS
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775
Relating space radiation environments to risk estimates p 321 A95-81446
Radiation protection for human interplanetary spaceflight and planetary surface operations
p 350 A95-81451
Space radiation issues within the Space Exploration Initiative (SEI) p 321 A95-81454
Radiation health for a Mars mission
p 383 A95-82602
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911
Interim report of the advisory committee on human radiation experiments
[DE95-003265] p 352 N95-24497

RADIATION INJURIES
Radiation health for a Mars mission
p 383 A95-82602
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins
p 442 A95-88599

RADIATION MEASUREMENT
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934

RADIATION PROTECTION
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
Radiation: What determines the risk?
p 350 A95-81450
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
Critical issues for space life sciences
p 436 A95-88559

RADIATION SHIELDING
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265
Radiation environment during the long space mission (Mars) due to galactic cosmic rays p 349 A95-81432
HZE reactions and data-base development
p 350 A95-81444
Relating space radiation environments to risk estimates p 321 A95-81446
Radiation protection for human interplanetary spaceflight and planetary surface operations
p 350 A95-81451
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934

RADIATION SICKNESS
Acute radiation sickness amelioration analysis
[AD-A279084] p 256 N95-21629

RADIATION SOURCES
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264

RADIATION THERAPY
Overview of current medical laser applications: Triumphs and failures p 434 A95-87825
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874

RADIATION TOLERANCE
Life on Mars? 1: The chemical environment
p 215 A95-66772
Circadian rhythms in the sensitivity to radiation and different drugs in mouse intestinal epithelium
p 419 A95-88600
Radiation in everyday life
[DE95-604111] p 379 N95-26597
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines
p 528 N95-32726

RADIATION TRANSPORT
Radiation health for a Mars mission
p 383 A95-82602

RADIATIVE HEAT TRANSFER
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555

RADIO ASTRONOMY
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026

RADIO COMMUNICATION
The influence of air traffic control message length and timing on pilot communication p 520 A95-95087
Preliminary analysis of pilot ratings of 'part line' information importance p 521 A95-95093

RADIO FREQUENCIES
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866

RADIO FREQUENCY HEATING
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating
[PB94-206885] p 254 N95-21016

RADIO FREQUENCY INTERFERENCE
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026

RADIO NAVIGATION
Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336

RADIO TELEMETRY
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564

RADIO WAVES
Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919

RADIOACTIVE CONTAMINANTS
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
Biochemistry of the actinides
[GTN-95-09258388-4023] p 424 A95-89501
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251

RADIOACTIVE DECAY
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075

RADIOACTIVE ISOTOPES
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20974
The use of radioisotopes in human experiments: Comments in response to recent media articles
[DE95-605680] p 354 N95-25981

RADIOACTIVE MATERIALS
Application of compartmental metabolic models for determination of retention and excretion functions
[DE95-600249] p 352 N95-24367

RADIOACTIVITY
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888

RADIOBIOLOGY
Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs
[HTN-95-70478] p 225 A95-71500
Time resolving detector systems for radiobiological investigations of effects of single heavy ions
p 349 A95-81440
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730

RADIOCHEMISTRY
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers
[AD-A279774] p 246 N95-20806

Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595

RADIOGRAPHY

Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892

RADIOIMMUNOASSAY

Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941

Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest
p 156 N95-16780

RADIOLOGY

Annual report of National Institute of Radiological Sciences
[DE94-792664] p 347 N95-25902

Summaries of fiscal year 1994 projects in medical applications and biophysical research
[DE95-010405] p 487 N95-32040

Managing technological change in a military treatment facility: A case study of medical diagnostic imaging support (MDIS) system
[AD-A294894] p 533 N95-34573

RADIOLYSIS

Mechanisms for the polymerization of nucleotides by alpha-particle radiolysis in aqueous solution --- Abstract only p 121 A95-63832

RAMAN SPECTRA

Using laser spectroscopy to diagnose disease
p 434 A95-87829

RANDOM NOISE

Perception of complex auditory patterns
[AD-A284189] p 159 N95-18626

Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436

RANDOM PROCESSES

Proceedings of Natural Sciences Symposium
[AD-A285452] p 208 N95-19536

Development and computer implementation of design/analysis techniques for multilayered composite structures. Probabilistic fiber composite micromechanics
[NASA-CR-198979] p 524 N95-31134

RANDOM SIGNALS

Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884

Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889

RANKINE CYCLE

Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355

Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418

RANKING

Cognitive representations of flight-deck information attributes p 495 A95-95055

RARE GASES

Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315

A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885

Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665

RAREFIED GAS DYNAMICS

A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885

RATINGS

An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182

Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199

Validation of astronaut psychological select-in criteria
p 171 N95-16762

Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511

RATIONS

Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558

RATIOS

An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386

Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998

RATS

Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675

Changes of contractile responses due to simulated weightlessness in rat soleus muscle
[ISBN 0-08-042485-6] p 11 A95-60677

A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828

Biotelemetry implant volume and weight in rats: A pilot study report
[NASA-TM-108812] p 13 N95-10863

Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory
[AD-A282122] p 17 N95-11337

Prevent and cure disuse bone loss
[NASA-CR-196845] p 17 N95-11594

Copper metabolism in rats fed ascorbic acid or restricted amounts of copper
[PB94-191343] p 28 N95-11902

Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614

Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827

Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176

Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098

Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099

Space flight and humoral and cellular immunity of animals p 44 N95-15113

The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133

New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat
p 45 N95-15135

Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141

Influence to organs by ten weeks tail suspension
p 45 N95-15142

Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats
p 45 N95-15143

A model of the neural basis of the rat's sense of direction
[AD-A289678] p 381 N95-26761

Hippocampal place fields, the internal compass, and the learning of landmark stability
[AD-A289406] p 381 N95-27100

Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722

REACTION KINETICS

Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962

Template-directed reactions: Kinetic and mechanistic analysis --- Abstract only p 115 A95-63803

Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300

Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304

In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966

Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075

Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest
p 473 A95-89216

Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467

Rational enzyme redesign
[DE94-014565] p 29 N95-12677

Attempt to interpret the self-organizing mapping physiologically
[PB95-127783] p 247 N95-21112

Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075

Comparison of the rate constants for energy transfer in the light-harvesting protein, C-phycocyanin, calculated from Foerster's theory and experimentally measured by time-resolved fluorescence spectroscopy
[DE94-014961] p 306 N95-22590

The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875

REACTION TIME

Human performance in actuating switches during tracking
[HTN-95-A0503] p 259 A95-72574

Information presentation for expert systems in future fighter aircraft
[HTN-95-92291] p 397 A95-85335

P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645

Effects of lags on human operator transfer functions with head-coupled systems
[HTN-95-92912] p 469 A95-91850

A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia
[HTN-95-12206] p 447 A95-91906

The effects of boredom on reaction time in the cockpit
p 510 A95-95209

Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421

Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817

Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822

REACTIVITY

The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438

Molecular dynamics at a constant pH
[HTN-95-92296] p 376 A95-85340

REACTOR SAFETY

The dependence of human reliability upon task information content
[DE95-006645] p 357 N95-25483

READING

Augmentation of research on cognitive control
[AD-A280956] p 93 N95-14600

READOUT

Low-level alcohol effects on pilot readback performance: An exploratory study p 489 A95-95132

REAGENTS

Space flight and humoral and cellular immunity of animals p 44 N95-15113

World Reference Center for Arboviruses
[AD-A281635] p 91 N95-15445

REAL TIME OPERATION

Development of an autonomous space robot for retrieving a satellite p 395 A95-82470

Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370

Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831

Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025

Virtual acoustic displays p 98 N95-14035

Simulation of arthroscopic surgery using MRI data
p 145 N95-15975

Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976

Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564

Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811

Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811

Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder
[AD-A289725] p 430 N95-28685

REBREATHING

Theoretical basis for time 0 correction in the rebreathing analysis
[HTN-95-10068] p 50 A95-61919

Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume
[HTN-95-A0153] p 208 A95-68936

Cisternal Na(+) transport inhibition and the ventilatory response to CO2
[HTN-95-70465] p 222 A95-71487
Cerebellar modulation of ventilatory response to progressive hypercapnia
[HTN-95-A0684] p 292 A95-75253
Quantifying the potential of infant bedding to limit CO2 dispersal and factors affecting rebreathing in bedding
[HTN-95-91920] p 344 A95-82022

RECEPTORS (PHYSIOLOGY)
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
Neural mechanisms of kinesthesia p 96 N95-14018
Intersensory coordination p 97 N95-14020
Coupling of brain muscarinic receptors to second messengers
[AD-A290498] p 450 N95-29153

RECOGNITION
Delayed pilot recognition in lost communication events p 520 A95-95086

RECOMBINATION REACTIONS
Chemistry of potentially prebiological natural products
[HTN-95-10288] p 140 A95-64050

RECORDING
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135

RECORDING INSTRUMENTS
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408

RECORDS
Human radiation experiments: The Department of Energy roadmap to the story and the records
[DE95-006364] p 354 N95-25371

RECYCLING
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system p 396 A95-82508
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510
Life support systems
[AAS PAPER 91-320] p 458 A95-87471
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341
Performance of high-recovery recycling reverse osmosis with wash water
[SAE PAPER 932073] p 468 A95-91651
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
Biological life support for manned missions by ESA p 513 A95-93768
Lunar base CELSS design and analysis p 514 A95-93773
Approaches to resource recovery in controlled ecological life support systems p 514 A95-93774
Recycling of trace elements required for humans in CELSS p 488 A95-93781
Microbiological characterization of a regenerative life support system p 515 A95-93808
The structure and function of microbial communities in recirculating hydroponic systems p 481 A95-93809
Regenerative life support systems - why do we need them? p 516 A95-93812
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: Initial results from biosphere 2 p 516 A95-93814
Marshall Space Flight Center solid waste characterization and recycling improvement study
[NASA-CR-196594] p 402 N95-27164

RED GIANT STARS
Circumstellar chemistry from microwave and mm-wave spectroscopy p 214 A95-66752
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659

REDUCTION (CHEMISTRY)
The potential for prebiotic synthesis in hydrothermal systems — Abstract only p 138 A95-63915

REDUNDANCY
The roles of immediacy and redundancy in relative subjective workload assessment
[HTN-95-B0067] p 389 A95-85883
Interior design for international teams serving long term in an extreme environment: A problem statement p 24 N95-11609

REFLECTION
Obtaining medical and biological images by FTIR multiaspect projection refractometry
[HTN-95-61162] p 398 A95-86261

REFLEXES
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756
Effects of weightlessness on human baroreflex function p 154 N95-16770

REFRACTION
Refractive changes during prolonged exposure to altitude following refractive surgery
[AD-A290263] p 451 N95-29173

REFRACTIVITY
Obtaining medical and biological images by FTIR multiaspect projection refractometry
[HTN-95-61162] p 398 A95-86261
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
Refractive changes during prolonged exposure to altitude following refractive surgery
[AD-A290263] p 451 N95-29173

REFRACTORY MATERIALS
Waste disposal options for refractory tearout
[HTN-95-81618] p 458 A95-87666

REFRACTORY PERIOD
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Relationship between MRI relaxation time and muscle fiber composition
[HTN-95-00410] p 322 A95-81927
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142

REFRIGERATORS
NASA advanced refrigerator/freezer technology development project overview
[NASA-TM-106309] p 309 N95-23177

REGENERATION
Life support systems
[AAS PAPER 91-320] p 458 A95-87471

REGENERATION (ENGINEERING)
Functions effectiveness model for design of integrated regenerative life support system
[SAE PAPER 932066] p 467 A95-91644
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
Absorption and steam desorption performance of weak base anion exchange resin
[HTN-95-93119] p 523 A95-95620
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688

REGENERATION (PHYSIOLOGY)
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles p 409 A95-87492
Regeneration of guinea pig facial nerve: The effect of hypergravity p 411 A95-87505
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
The Pleurodele, an animal model for space biology studies p 414 A95-87522
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228

REGENERATIVE FUEL CELLS
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356

REGOLITH
The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
Use of lunar regolith as a substrate for plant growth p 483 A95-93816

REGRESSION ANALYSIS
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree
[HTN-95-A0121] p 200 A95-68904
The need to scale for differences in body size and mass: An explanation of Kleiber's 0.75 mass exponent
[HTN-95-70499] p 230 A95-71521
Ratios and regressions in body size and function: A commentary
[HTN-95-A0677] p 290 A95-74378
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels p 361 A95-82587
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
Locus of control and coping style as stress moderators in achievement oriented individuals
[AD-A294275] p 534 N95-34463

REGRESSION COEFFICIENTS
Locus of control and coping style as stress moderators in achievement oriented individuals
[AD-A294275] p 534 N95-34463

REGULATIONS
Waste disposal options for refractory tearout
[HTN-95-81618] p 458 A95-87666
Mail pilots and mischief: Meeting goals and violating rules p 510 A95-95200
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
Relevance of laboratory tests in aeromedical decisions p 163 N95-19420

REGULATORY MECHANISMS (BIOLOGY)
Thermoregulation in bees
[HTN-95-00507] p 375 A95-83387
How are control systems controlled?
[HTN-95-42103] p 388 A95-83869
Structures and functions of oligosaccharins
[DE95-003195] p 249 N95-22220
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912

REINFORCEMENT
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642

RELATIVE BIOLOGICAL EFFECTIVENESS (RBE)
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
The relative biological effectiveness of attenuated protons p 321 A95-81449
Radiation: What determines the risk? p 350 A95-81450
Radiation protection for human interplanetary spaceflight and planetary surface operations p 350 A95-81451
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911

RELAXATION (PHYSIOLOGY)
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929

RELIABILITY
Reliability and validity assessments of task analyses using Miller's terminology p 508 A95-95187
The effect of response format on reliability estimates for tacit knowledge scales
[AD-A283547] p 94 N95-15326
Test reliability and experimental power
[AD-A279607] p 260 N95-19957

RELIABILITY ANALYSIS
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265

RELIABILITY ENGINEERING
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696

REMOTE CONTROL
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
Analysis of the human operator subsystems p 97 N95-14019
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
Human factors considerations for remote manipulation p 103 N95-14949
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2 [DE94-014513] p 104 N95-15309
Human performance studies for control of multiple remote systems [AD-A286623] p 265 N95-20768

REMOTE HANDLING
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators [HTN-95-21049] p 465 A95-90426

REMOTE MANIPULATOR SYSTEM
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission [NASA-TP-3489] p 32 N95-11887
Development of Japanese experiment module remote manipulator system p 315 N95-23708

REMOTE SENSING
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels p 361 A95-82587
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590
Light and imaging in extreme environments p 21 N95-11631
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates [AD-A284305] p 245 N95-20252

REMOTE SENSORS
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
Human performance studies for control of multiple remote systems [AD-A286623] p 265 N95-20768
Improved operator awareness of teleoperated land vehicle attitude [AD-A290443] p 471 N95-29359

REMOTELY PILOTED VEHICLES
Improved operator awareness of teleoperated land vehicle attitude [AD-A290443] p 471 N95-29359

RENAL FUNCTION
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation [HTN-95-10087] p 55 A95-61938
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia [HTN-95-70094] p 80 A95-62536
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090

REPORTS
Human factors in incident reporting p 522 A95-95124
ASRS and aviation psychology p 510 A95-95206

REPRODUCTION (BIOLOGY)
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
AstroNewt: Early development of newt in space p 414 A95-87521
The Pleurodele, an animal model for space biology studies p 414 A95-87522
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight p 415 A95-87523

REPTILES
Extinction of dinosaurs: A possible novel cause p 191 A95-66769

REQUIREMENTS
Preliminary analysis of pilot ratings of 'part line' information importance p 521 A95-95093
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support [PB94-215597] p 181 N95-19412

RESCUE OPERATIONS
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Inflatable rescue device [NASA-CASE-MSC-22244-1] p 357 N95-25306

RESEARCH
Medical research publications: A bibliography of Walter Reed Army Medical Center staff, 1986-1992, volume 2 [PB94-177797] p 85 N95-14394
Genetics and the unity of biology [DE95-006484] p 431 N95-29471

RESEARCH AND DEVELOPMENT
Aviation human factors research in U.S. universities: Potential contributions to national needs [HTN-95-92290] p 397 A95-85334
JPRS report: Science and technology. Central Eurasia: Life sciences [JPRS-ULS-93-012] p 31 N95-11744
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM [AD-A279193] p 211 N95-19811
Annual historical report, calendar year 1993 [AD-A280178] p 211 N95-19827
Life Sciences Division and Center for Human Genome Studies [DE94-017796] p 248 N95-22065
Biologically produced succinic acid: A new route to chemical intermediates [DE95-000257] p 345 N95-24306
Clean fractionation of biomass [DE95-000259] p 345 N95-24307
Bioprocessing in nonaqueous media: Critical needs and opportunities [DE95-004878] p 346 N95-24843
Performance enhancing ration components program: Supplemental carbohydrate test [AD-A288560] p 400 N95-26558
Evaluation in context: ATC automation in the field p 543 N95-34781

RESEARCH FACILITIES
Aviation human factors research in U.S. universities: Potential contributions to national needs [HTN-95-92290] p 397 A95-85334
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
Space medicine research: Needs for the 21st century p 154 N95-16768
Microgravity Sciences Biotechnology Facility assessment [NASA-CR-196602] p 382 N95-27329

RESEARCH MANAGEMENT
Proceedings of Natural Sciences Symposium [AD-A285452] p 208 N95-19536
Annual program analysis of the NASA Space Life Sciences Research and Education Support Program [NASA-CR-197298] p 247 N95-21529

RESEARCH PROJECTS
Educational opportunities within the NASA specialized center of research and training in gravitational biology [ISBN 0-08-042485-6] p 12 A95-60687
Four educational programs in Space Life Sciences [ISBN 0-08-042485-6] p 12 A95-60688
NASA's Space Life Sciences Training Program [ISBN 0-08-042485-6] p 12 A95-60689
Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes [ISBN 0-08-042485-6] p 12 A95-60690
Eye accommodation: Use of Vernier optometers in behavioral research [HTN-95-92293] p 388 A95-85337

RESIDENTIAL AREAS
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892

RESIN MATRIX COMPOSITES
Finite element analysis of a composite wheelchair wheel design [NASA-TM-108463] p 22 N95-11195

RESISTANCE
Pulmonary vascular resistance distribution and recruitment of microvascular surface area [HTN-95-A0139] p 204 A95-68922
Chest wall interrupter resistance in anesthetized paralyzed humans [HTN-95-A0142] p 205 A95-68925
Respiratory muscle activity during sleep-induced periodic breathing in the elderly [HTN-95-50879] p 240 A95-73069
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs [HTN-95-50889] p 242 A95-73079
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs [HTN-95-A0588] p 270 A95-74289
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets [HTN-95-A0632] p 280 A95-74333
Effects of lung volume and surface forces on maximal airway smooth muscle shortening [HTN-95-A0650] p 285 A95-74351
Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs [HTN-95-A0662] p 287 A95-74363
Cerebellar role in the load-compensating response of expiratory muscle [HTN-95-A0699] p 296 A95-75268
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials [HTN-95-A0700] p 296 A95-75269
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance [HTN-95-21588] p 372 A95-83373

RESOLUTION
Design and engineering aspects of a high resolution positron tomograph for small animal imaging [BTN-95-EIX95332424643] p 485 A95-94901

RESOURCE ALLOCATION
Effect of task load and task load increment on performance and workload p 519 A95-95058

RESOURCES MANAGEMENT
Operator versus computer control of adaptive automation p 519 A95-95059
HOTT - a CRM course designed for the helicopter pilot p 499 A95-95108
Beyond reason: The non judgmental path of least resistance to graceful CRM p 499 A95-95110
The dynamics of CRM attitude change: Attitude stability p 500 A95-95113
Experiential learning in crew resource management p 500 A95-95114
Self-analysis of LOFT as a strategy for learning CRM in undergraduate flight training p 500 A95-95117
Whither CRM? Future directions in Crew Resource Management training in the cockpit and elsewhere p 500 A95-95120
Cross-cultural attitudes of flight crew regarding CRM p 501 A95-95123
The role of LOFT in CRM integration p 502 A95-95129
CRM assessment and instructor knowledge structures p 502 A95-95130
The need for a basic psychological curriculum to augment CRM training p 503 A95-95145
Air traffic controller resource management p 506 A95-95167
Clearing-house mechanism to promote and facilitate technical and scientific cooperation under the UN Convention on Biological Diversity [PB95-214557] p 530 N95-33236

RESPIRATION
Coordination between respiration and swallowing: Respiratory phase relationships and temporal integration [HTN-95-60048] p 71 A95-62156
Retrotrapezoid nucleus glutamate injections: Long-term stimulation of phrenic activity [HTN-95-60050] p 72 A95-62158
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis [HTN-95-60051] p 72 A95-62159
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans [HTN-95-A0108] p 197 A95-68891
Serial distribution of airway mechanical properties in dogs: Effects of histamine [HTN-95-A0110] p 197 A95-68893
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs [HTN-95-A0136] p 204 A95-68919
Dose dependency of perceived breathlessness on hypoventilation during exercise in normal subjects [HTN-95-70469] p 222 A95-71491
Cerebral hemodynamics during sensorimotor activation in humans [HTN-95-70474] p 224 A95-71496
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation [HTN-95-70476] p 224 A95-71498
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing [HTN-95-70486] p 227 A95-71508
Relationship between dot-Cr and breathing pattern in mechanically ventilated patients [HTN-95-70490] p 227 A95-71512
Regional diaphragm shortening measured by sonomicrometry [HTN-95-70492] p 228 A95-71514
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia [HTN-95-50880] p 240 A95-73070

Geometry of respiratory phase switching
[HTN-95-50883] p 241 A95-73073
Symmetry, bifurcations, and chaos in a distributed respiratory control system
[HTN-95-50884] p 241 A95-73074
Effect of dopamine on hypoxic ventilatory response of sedated piglets with intact and denervated carotid bodies
[HTN-95-A0611] p 275 A95-74312
Cardiorespiratory changes during microwave-induced lethal heat stress and beta-adrenergic blockade
[HTN-95-A0625] p 279 A95-74326
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960
Alterations in respiratory control during 8 h of isocapnic and poikilocapnic hypoxia in humans
[HTN-95-00444] p 330 A95-81961
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968
Contribution of pulmonary versus systemic perfusion of airway smooth muscle
[HTN-95-91877] p 334 A95-81979
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995
Ventilatory responses to dead space and CO2 breathing under inspiratory resistive load
[HTN-95-91896] p 339 A95-81998
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795

A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air
p 31 N95-11806
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women
p 87 N95-15111
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611

RESPIRATORS

Relationship between dot-Cr and breathing pattern in mechanically ventilated patients
[HTN-95-70490] p 227 A95-71512
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408

RESPIRATORY DISEASES

Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
Distribution function of transit times in the human pulmonary circulation
[HTN-95-10133] p 66 A95-61984
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
Intra-airway CO2 distribution during airway insufflation in ventilatory failure
[HTN-95-91895] p 338 A95-81997
Quantifying the potential of infant bedding to limit CO2 dispersal and factors affecting rebreathing in bedding
[HTN-95-91920] p 344 A95-82022
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359

RESPIRATORY IMPEDANCE

Human lung impedance from spontaneous breathing frequencies to 32 Hz
[HTN-95-10117] p 62 A95-61968
Serial distribution of airway mechanical properties in dogs: Effects of histamine
[HTN-95-A0110] p 197 A95-68893
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925

Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats
[HTN-95-A0688] p 293 A95-75257
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
T model partition of lung and respiratory system impedances
[HTN-95-00427] p 326 A95-81944
Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction
[HTN-95-91909] p 342 A95-82011

RESPIRATORY PHYSIOLOGY

Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917
Theoretical basis for time 0 correction in the rebreathing analysis
[HTN-95-10068] p 50 A95-61919
Influence of hypoxia and serotonin on small pulmonary vessels
[HTN-95-10073] p 51 A95-61924
Leukocyte kinetics in pulmonary microcirculation: Intravital fluorescence microscopic study
[HTN-95-10074] p 51 A95-61925
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943
Acetylcholine and carotid body excitation during hypoxia in the cat
[HTN-95-10094] p 57 A95-61945
Metabolic-ventilatory interaction in conscious rats: Effect of hypoxia and ambient temperature
[HTN-95-10095] p 57 A95-61946
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep
[HTN-95-10097] p 57 A95-61948
Inhomogeneity of pulmonary perfusion during sustained microgravity on SLS-1
[HTN-95-10102] p 59 A95-61953
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
Ventilatory response to randomly modulated hypercapnia and hypoxia in humans
[HTN-95-70093] p 80 A95-62535
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
Estimation of extravascular lung water in humans with use of 2H20: Effect of blood flow and central blood volume
[HTN-95-70102] p 82 A95-62544
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914

Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air
p 31 N95-11806
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158

RESPIRATORY RATE
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
Cerebellar modulation of ventilatory response to progressive hypercapnia
[HTN-95-A0684] p 292 A95-75253
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
Ventilation and carbon dioxide exchange in exercising horses: Effect of inspired oxygen fraction
[HTN-95-91908] p 341 A95-82010
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561

RESPIRATORY REFLEXES
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283
Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
Ventilatory responses to dead space and CO2 breathing under inspiratory resistive load
[HTN-95-91896] p 339 A95-81998
Ventilation and carbon dioxide exchange in exercising horses: Effect of inspired oxygen fraction
[HTN-95-91908] p 341 A95-82010
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat
[HTN-95-21554] p 364 A95-83339
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353
Rat retrotrapezoid nucleus iono- and metabotropic glutamate receptors and the control of breathing
[HTN-95-21573] p 368 A95-83358
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370

RESPIRATORY SYSTEM
Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep
[HTN-95-10097] p 57 A95-61948
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men
[HTN-95-10100] p 58 A95-61951
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982
Comparison of work of breathing during mechanical ventilation using assist control and intermittent mandatory ventilation
[AD-A285516] p 157 N95-17174
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224

RESPONSE BIAS
Subset-selectivity and distractor matching in visual conjunction search
[AD-A285137] p 170 N95-16615

RESPONSES
Cognitive diagnosis combined with latent trait theory and multiphase responses
[AD-A288701] p 355 N95-26010
Stimulus-response compatibility
[PB95-214722] p 537 N95-33237

REST
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932

RESTORATION
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275

RESUSCITATION
Respiratory response to inhaled CO2 during positive inspiratory pressure in humans
[HTN-95-A0141] p 205 A95-68924
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775

RETENTION (PSYCHOLOGY)
Overloads influence on cosmonaut's reaction rate
p 384 A95-82615
The impact of combined heat and noise on short-term retention
[AD-A281744] p 20 N95-11570
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
Command history, 1993
[AD-A279775] p 256 N95-21989
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance
[AD-A293798] p 512 N95-31585

RETICULOCYTES
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955

RETINA
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370
Theoretical modeling of ocular tissue damage by short pulse laser
[AD-A280928] p 16 N95-10533
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat
p 45 N95-15135
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Caffeine's influence on critical frequency thresholds
[AD-A282005] p 173 N95-17447
Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515
Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848
Computer models of retinal function
[AD-A290156] p 449 N95-29022
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach
[AD-A293742] p 493 N95-31570
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789

RETINENE
Beta-Carotene and CNS oxygen toxicity in rats
[HTN-95-10105] p 59 A95-61956

RETIREMENT
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Age 60 study. Part 1: Bibliographic database
[AD-A286245] p 257 N95-22027
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040

RETROFITTING
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574

REVERSE OSMOSIS
Performance of high-recovery recycling reverse osmosis with wash water
[SAE PAPER 932073] p 468 A95-91651

RHEOLOGY
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358

RHYTHM (BIOLOGY)
Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851
Diffusible driving and coupling signals of the biological clock
[AD-A285353] p 258 N95-22475
The 1993 Gordon Research Conference on Chronobiology
[NASA-CR-197990] p 310 N95-24047
AASERT-92 augmentation of research training in chronobiology: Regulation of the mammalian circadian clock by neurotransmitters
[AD-A288243] p 487 N95-31144

RIBONUCLEIC ACIDS
Modulation of IGF mRNA abundance during stretch-induced skeletal muscle hypertrophy and regression
[HTN-95-70078] p 76 A95-62520
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526

Prebiotic synthesis of organic compounds: A review and new results — Abstract only p 106 A95-63747
Urazole is a potential precursor to uracil — Abstract only p 107 A95-63762
Prebiotic synthesis of hydroxymethyluracil and some t-RNA bases — Abstract only p 108 A95-63763
The prebiotic role of adenine: A critical analysis — Abstract only p 111 A95-63784
Site of adsorption of nucleic bases and their derivatives on clay surfaces — Abstract only p 112 A95-63789
Approaches to the selection of an RNA replicase — Abstract only p 113 A95-63792
Directed evolution of catalytic RNA — Abstract only p 113 A95-63793
A new perspective for prebiotic formation of achiral, nucleic acid-like molecules — Abstract only p 113 A95-63795
Molecular replication: From minimal to complex systems — Abstract only p 114 A95-63796
Origin of primitive translating systems — Abstract only p 114 A95-63798
Polypeptide-assisted oligomerization of nucleotide analogs — Abstract only p 114 A95-63801
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA — Abstract only p 115 A95-63802
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC — Abstract only p 116 A95-63808
Evolution of biocatalysts: Ribozymes may have been preceded by 'chelazymes' — Abstract only p 116 A95-63809
An information 'worm hole' between 20 amino acids and 64 triplets is dug through the decimal and quarternary systems — Abstract only p 117 A95-63812
Poly-tRNA theory on the origin of mRNA and genetic codes — Abstract only p 117 A95-63813
Evolution of the tRNA cloverleaf structure — Abstract only p 117 A95-63815
Recent investigations on a primitive tRNA model — Abstract only p 118 A95-63818
A model for the prebiotic synthesis of proteins — Abstract only p 118 A95-63819
Self-replicating oligonucleotides — Abstract only p 119 A95-63822
Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin — Abstract only p 120 A95-63827
Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world — Abstract only p 120 A95-63830
Amino-acyl-t-RNA synthetases and the evolution of the genetic code — Abstract only p 121 A95-63831
Oligomerization of nucleotide imidazolides on Na(+)-montmorillonite clay: A model for the prebiotic synthesis of RNA — Abstract only p 122 A95-63836
The origin of genetic information — Abstract only p 123 A95-63843
A model for biogenesis based on thermosynthesis — Abstract only p 125 A95-63850
Setting the stage for the emergence of the configurationally one-sided biosphere — Abstract only p 129 A95-63869
The role of accuracy for early cooperative stages of the origin of life — Abstract only p 133 A95-63883
From protometabolism to metabolism — Abstract only p 136 A95-63904
Equally parsimonious pathways of RNA evolution may not be equally valid — Abstract only p 136 A95-63906
How complex was the last common ancestor? — Abstract only p 137 A95-63908
The use of functional inhibitors in the study of ribosomal evolution — Abstract only p 137 A95-63909
Structure and evolution of an RNA enzyme: Ribonuclease P. — Abstract only p 137 A95-63910
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase — Abstract only p 137 A95-63911
Archaebacterial ribulose bisphosphate carboxylase — Abstract only p 138 A95-63914
Evolution of the genetic code — Abstract only p 139 A95-63921
Redox ribonucleosides: Isolation and characterization of 5-hydroxycytidine, 5-hydroxyuridine, 8-hydroxyguanosine and 8-hydroxyadenosine from Torula Yeast RNA — Abstract only p 139 A95-63922
Chemistry of potentially prebiological natural products [HTN-95-10288] p 140 A95-64050
The phylogeny of tRNA molecules and the origin of the genetic code [HTN-95-10289] p 140 A95-64051
Template-directed chemistry and the origins of the RNA world [HTN-95-10293] p 141 A95-64055
A hypothesis: Reciprocal information transfer between oligoribonucleotides and oligopeptides in prebiotic molecular evolution [HTN-95-10294] p 141 A95-64056
Utilization of cofactors expands metabolism in a new RNA world [HTN-95-A0477] p 230 A95-72548
N6-substituted adenine derivatives and RNA primitive catalysts [HTN-95-A0478] p 230 A95-72549
Catalysis and prebiotic RNA synthesis [HTN-95-A0479] p 231 A95-72550
Is ligation the only solution to the pyrophosphate problem? [HTN-95-A0480] p 231 A95-72551
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? [HTN-95-A0481] p 231 A95-72552
The RNA-world and co-evolution hypothesis and the origin of life: Implications, research strategies and perspectives [HTN-95-A0482] p 231 A95-72553
The evolutionary change of the genetic code as restricted by the anticodon and identity of transfer RNA [HTN-95-A0483] p 231 A95-72554
Experimental investigation of an RNA sequence space [HTN-95-A0484] p 231 A95-72555
RNA based evolutionary optimization [HTN-95-A0485] p 231 A95-72556
On concerned origin of transfer RNAs with complementary anticodons [HTN-95-A0486] p 232 A95-72557
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme [HTN-95-A0487] p 232 A95-72558
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC [HTN-95-A0593] p 271 A95-74294
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle [HTN-95-A0642] p 283 A95-74343
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia [HTN-95-A0721] p 301 A95-75290
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise [HTN-95-21560] p 365 A95-83345
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry [HTN-95-21569] p 367 A95-83354
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
The role of accuracy for early stages of the origin of life p 422 A95-88742
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems p 422 A95-88743
Speculations on the evolution of the genetic code IV the evolution of the aminoacyl-tRNA synthetases p 423 A95-88746
Molecular approach to hypothalamic rhythms [AD-A285164] p 157 N95-16851
Open problems of computational molecular biology [DE95-000895] p 306 N95-22866
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice [DE94-017083] p 308 N95-22913
Molecular relics from chemical evolution and the origin of life [DE94-628493] p 308 N95-23060
Cellular interactions in the suprachiasmatic nucleus [AD-A285639] p 311 N95-23780

RIBOSE

A new perspective for prebiotic formation of achiral, nucleic acid-like molecules — Abstract only p 113 A95-63795
A model for the prebiotic synthesis of proteins — Abstract only p 118 A95-63819

RICE

A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system p 396 A95-82508
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792

RIDING QUALITY

Finite element analysis of a composite wheelchair wheel design [NASA-TM-108463] p 22 N95-11195

RISK

Minimizing human-machine interface failures in high risk systems [BTN-95-EIX95042474623] p 213 A95-68277
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991 [ISBN 0-306-44418-6] p 349 A95-81431
Relating space radiation environments to risk estimates p 321 A95-81446
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
Radiation: What determines the risk? p 350 A95-81450
A conceptual model of overexertion, safety, and risk of injury in occupational settings [HTN-95-B0070] p 377 A95-85886
Failure to follow safety instructions: Faulty communication or risky decisions? [HTN-95-B0116] p 378 A95-85932
Psychological aspects of risk taking in extreme environments p 21 N95-11622
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
Aeromedical risk management for aircrew p 161 N95-19414
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM [AD-A279193] p 211 N95-19811
How health risk from radiation is assessed [DE95-003477] p 311 N95-23142
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985 [DOT/FAA/AM-95/11] p 353 N95-25336
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program [DE95-008097] p 387 N95-28136
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires [DOT/FAA/AM-95/17] p 451 N95-29224
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987 [AD-A291856] p 456 N95-29434
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

ROADS

Using virtual active vision tools to improve autonomous driving tasks [AD-A289175] p 392 N95-27013

ROBOT ARMS

Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
A sliding mode control for two-link flexible manipulator p 394 A95-82463
Space robot telemanipulation experiment using predictive display p 394 A95-82465
Arm trajectory design of a space robot p 394 A95-82466
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach [HTN-95-92509] p 457 A95-87329
Model reference adaptive control for robotic manipulators without velocity measurements [HTN-95-21046] p 465 A95-90423
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators [HTN-95-21049] p 465 A95-90426
Robotic control using muscular and neural electrical signals [AD-A284908] p 92 N95-15757
Development of Advanced Robotic Hand System for space application p 314 N95-23704

A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
Dexterous Orbital Servicing System (DOSS) p 316 N95-23723

ROBOT CONTROL
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
Determination of the mass properties of a manipulator p 356 A95-80399
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329
Analysis of the human operator subsystems p 97 N95-14019
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
Interacting with virtual worlds p 98 N95-14032
Robotic control using muscular and neural electrical signals
[AD-A284908] p 92 N95-15757
Qualitative vision and action
[AD-A282697] p 179 N95-16966
Force based motion control of a walking machine
[PB95-129672] p 264 N95-20276
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
Development of Japanese experiment module remote manipulator system p 315 N95-23708
Telepresence control of a dual-arm dexterous robot p 316 N95-23735
Learning Hand/Eye coordination by an active observer. part 1: Organizing centers
[AD-A289502] p 391 N95-26843
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884
Force and vision resolvability for assimilating disparate sensory feedback
[AD-A293581] p 512 N95-31685
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control
[AD-A293607] p 540 N95-34616

ROBOT DYNAMICS
A sliding mode control for two-link flexible manipulator p 394 A95-82463
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Space robot telemanipulation experiment using predictive display p 394 A95-82465
Arm trajectory design of a space robot p 394 A95-82466
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
Force based motion control of a walking machine
[PB95-129672] p 264 N95-20276
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707

ROBOT SENSORS
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control
[AD-A293607] p 540 N95-34616

ROBOTICS
Terraforming with nanotechnology
[HTN-95-60319] p 186 A95-65618
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
Model reference adaptive control for robotic manipulators without velocity measurements
[HTN-95-21046] p 465 A95-90423
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators
[HTN-95-21049] p 465 A95-90426
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2
[DE94-014513] p 104 N95-15309
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642
Robotic control using muscular and neural electrical signals
[AD-A284908] p 92 N95-15757
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation p 176 N95-15984
Qualitative vision and action
[AD-A282697] p 179 N95-16966
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707
Development of Japanese experiment module remote manipulator system p 315 N95-23708
Automation and crew time saving in the space experiment p 315 N95-23715
Planetary stations and Abyssal Benthic Laboratories: An overview of parallel approaches for long-term investigation in extreme environments p 316 N95-23732
Learning Hand/Eye coordination by an active observer. part 1: Organizing centers
[AD-A289502] p 391 N95-26843
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884
Interaction and intelligent behavior
[AD-A290049] p 457 N95-29443
Force and vision resolvability for assimilating disparate sensory feedback
[AD-A293581] p 512 N95-31685

ROBOTS
Terraforming with nanotechnology
[HTN-95-60319] p 186 A95-65618
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
Auditory interfaces: The human perceiver p 96 N95-14015
Analysis of the human operator subsystems p 97 N95-14019
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
Some criteria for teleoperators and virtual environments from experiences with vehicle/operator simulation p 97 N95-14028
On the role of exchange of power and information signals in control and stability of the human-robot interaction p 101 N95-14051
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
Force based motion control of a walking machine
[PB95-129672] p 264 N95-20276
Telepresence control of a dual-arm dexterous robot p 316 N95-23735
Proceedings of the 33d SICE (the Society of Instrument and Control Engineers) Annual Conference, part 1
[DE95-758947] p 430 N95-28947
Interaction and intelligent behavior
[AD-A290049] p 457 N95-29443

ROCK MECHANICS
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning
[PB95-196382] p 403 N95-28659

ROCKS
Magnetite: What it reveals about the origin of the banded iron formations — Abstract only p 128 A95-63862
Biochemical markers in Precambrian sediments - Indian subcontinent — Abstract only p 128 A95-63863

RODS
Photoreceptors regulating circadian behavior: A mouse model
[AD-A285157] p 157 N95-16847

ROLLING
Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling
[HTN-94-00359] p 18 A95-60105

ROOTS
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497

ROTARY WINGS
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077

ROTATING BODIES
Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling
[HTN-94-00359] p 18 A95-60105
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116

ROTATING ENVIRONMENTS
Graded change of forces on the otoliths as a tool to investigate equilibrium in man p 439 A95-88574

ROTATION
Effects of altered gravity on plant cell processes: Results of recent space and clinostatic experiments
[ISBN 0-08-042485-6] p 3 A95-60640
In vitro plant cell growth in microgravity and on clinostat
[ISBN 0-08-042485-6] p 3 A95-60641
Clinostation influence on regeneration of cell wall in Solanum tuberosum L. protoplasts
[ISBN 0-08-042485-6] p 4 A95-60642
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles p 409 A95-87492
Graviresponses in fungi p 409 A95-87494
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation
[AD-A280897] p 146 N95-16151
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714

ROVING VEHICLES
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629

RUNNING
Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977
Daily exercise improved blood pressure homeostasis of rats subjected to surgical stress
[HTN-95-60038] p 69 A95-62146
Early alterations in soleus GLUT-4, glucose transport, and glycogen in voluntary running rats
[HTN-95-70073] p 75 A95-62515
Adaptation and overtraining in horses subjected to increasing training loads
[HTN-95-70076] p 76 A95-62518
Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats
[HTN-95-A0107] p 197 A95-68890
Running-induced muscle injury and myocellular enzyme release in rats
[HTN-95-50872] p 238 A95-73062
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930

RUSSIAN FEDERATION
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
JPRS report: Science and technology. Central Eurasia: Life sciences
[JPRS-ULS-93-012] p 31 N95-11744

RUTHENIUM
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510

S

SACCADIC EYE MOVEMENTS
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin-Huxley model of a neuron
[AD-A293821] p 493 N95-31552
SACCHAROMYCES
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth
[AD-A288345] p 379 N95-26573
SAFETY
Failure to follow safety instructions: Faulty communication or risky decisions?
[HTN-95-B0116] p 378 A95-85932
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
Interim report of the advisory committee on human radiation experiments
[DE95-003265] p 352 N95-24497
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
SAFETY DEVICES
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348
Inflatable rescue device
[NASA-CASE-MSC-22244-1] p 357 N95-25306
Releaseable unconstrained inflatable body protector
[AD-D017350] p 524 N95-30552
SAFETY FACTORS
Failure to follow safety instructions: Faulty communication or risky decisions?
[HTN-95-B0116] p 378 A95-85932
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
SAFETY MANAGEMENT
Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support
[PB94-215597] p 181 N95-19412
SALMONELLA
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
SALTS
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
On the isolation of halophilic microorganisms from salt deposits of great geological age p 28 N95-11966
SAMPLING
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298
Intermediate levels of visual processing
[AD-A291569] p 455 N95-28937
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998
SANDS
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257
SANITATION
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618
Personal hygiene body wipe
[AD-A286092] p 267 N95-22274
SATELLITE ATMOSPHERES
Titan: A planetary laboratory for studying prebiotic evolution — Abstract only p 183 A95-63753
Organic aerosols in the atmosphere of Titan — Abstract only p 183 A95-63754
Isotopic ratios in planetary atmospheres p 218 A95-66806
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature p 473 A95-89217
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727
SATELLITE ATTITUDE CONTROL
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
SATELLITE CONTROL
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
SATELLITE IMAGERY
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
SATELLITE SURFACES
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
SATURN (PLANET)
Isotopic ratios in planetary atmospheres p 218 A95-66806
SATURN ATMOSPHERE
Photolysis of gaseous mixtures containing phosphine or germane — Abstract only p 184 A95-63775
SCALING
Subjective workload profile p 507 A95-95175
SCANDINAVIA
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098
SCANNING
Tracking the visual scan of air traffic controllers p 522 A95-95166
SCANNING ELECTRON MICROSCOPY
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821
SCARS
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach
[AD-A293742] p 493 N95-31570
SCATTERING
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
SCATTERING COEFFICIENTS
Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421282944] p 320 A95-78955
Phantoms for fluorescence spectroscopy p 435 A95-87830
SCATTERING CROSS SECTIONS
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
SCENE ANALYSIS
The effect of scene content on speed, time, and distance perception p 497 A95-95078
An incremental transfer study of scene detail and field of view effects on beginning flight training p 504 A95-95152
Scene content, field of view and amount of training in first officer training p 505 A95-95155
Scene analysis: A brief survey
[PB94-205085] p 36 N95-13433
SCHEDULES
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
SCHEDULING
Measurement of taskload in the analysis of aircrew performance p 507 A95-95174
SCHOOLS
Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes
[ISBN 0-08-042485-6] p 12 A95-60690
Educational projects in Space Life Sciences in Canada
[ISBN 0-08-042485-6] p 12 A95-60691
Flight nurse school in the Hellenic Air Force p 452 N95-29629
SCIATIC REGION
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
SCIENTIFIC VISUALIZATION
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, stereopsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Virtual reality at work p 98 N95-14033
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2
[DE94-014513] p 104 N95-15309
SCORING
The effect of response format on reliability estimates for tacit knowledge scales
[AD-A283547] p 94 N95-15326
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140
SEA URCHINS
Fertilization of sea urchin eggs in Space and subsequent development under normal conditions
[ISBN 0-08-042485-6] p 6 A95-60656
SEA WATER
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (1) — Abstract only p 108 A95-63764
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (2) — Abstract only p 110 A95-63779
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive p 422 A95-88744
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258
SEALERS
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
SEATS
Portable seat lift
[NASA-CASE-MFS-28610-1] p 23 N95-11394
Individual variability in the transmission of vertical vibration from seat to head
[ISVR-TR-236] p 104 N95-15850
Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484
Helicopter crewseat cushion program
[AD-A286654] p 265 N95-20973
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574
SECRETIONS
Extracellular ionic composition alters kinetics of vesicular release of catecholamines and quantal size during exocytosis at adrenal medullary cells
[AD-A281613] p 146 N95-16112
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
SEDATIVES
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
SEDIMENTS
Phosphate microaggregates in Archean sediments — Abstract only p 135 A95-63897
Phosphorus as a potential guide in the search for extinct life on Mars p 216 A95-66775
Biogeochemical evidence of microbial activity on Mars p 192 A95-66780
A 'crytic' microbial mat: A new model ecosystem for extant life on Mars p 192 A95-66781
A physical and chemical characterization of Martian permafrost as a possible habitat for viable microorganisms p 216 A95-66782
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258
SEEDS
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62822
Possible mechanisms of plant cell wall changes at microgravity p 408 A95-87490
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions p 408 A95-87491

Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
Seedling growth and development on space shuttle p 475 A95-93760
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
Preparations for CELSS flight experiments with wheat p 512 A95-93762
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933

SEIZURES
Measurement and modification of the EEG and related behavior p 99 N95-14038

SELECTION
On the development of an expert system for wheelchair selection p 214 N95-19627
Presentation of a Swedish study program concerning recruitment, selection and training of student air traffic controllers: The MRU project phase 1 p 535 N95-34775

SELF ADAPTIVE CONTROL SYSTEMS
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642

SELF ORGANIZING SYSTEMS
Inorganic self-organisation in Precambrian cherts
[HTN-95-10291] p 140 A95-64053
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620
Supervised learning without output labels
[TR-510-REV] p 94 N95-15588
Attempt to interpret the self-organizing mapping physiologically
[PB95-127783] p 247 N95-21112

SEMICIRCULAR CANALS
Changes of endolymphatic pressure in the semicircular canal of pigeon by calorie stimulation
[ISBN 0-08-042485-6] p 11 A95-60679
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation
[AD-A280897] p 146 N95-16151
Dynamics of the G-excess illusion p 155 N95-16771
Relation of motion sickness susceptibility to vestibular and behavioral measures of orientation
[NASA-CR-198048] p 352 N95-24410
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728

SEMICONDUCTING FILMS
Oxygen sensor development for life support
[BTN-95-EIX95042477107] p 213 A95-68352

SENSE ORGANS
An observation of vestibular spinal relationship p 438 A95-88569
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
Neuronal types in the chicken's statoacoustic ganglion p 44 N95-15116
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119

SENSITIVITY
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 1: Responses to intracellular current p 380 N95-26731
Comparative transduction mechanisms of hair cells in the bullfrog uticulus. 2: Sensitivity and response dynamics to hair bundle displacement p 381 N95-26732
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140

SENSORIMOTOR PERFORMANCE
Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957
Motor activity anddepression-related disorders
[HTN-95-11907] p 390 A95-85988
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645
Tactile stimulation of the human head for information display
[HTN-95-20756] p 390 A95-86646
A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia
[HTN-95-12206] p 447 A95-91906
Coordinated action in 3-D space
[AD-A281284] p 35 N95-13375
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
Mental rotation with and without a concurrent task: Moderating effects of visuospatial ability
[AD-A281866] p 169 N95-16301
The role of the vestibular system in manual target localization p 533 N95-32422
The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610

SENSORS
A root moisture sensor for plants in microgravity p 478 A95-93785
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180

SENSORY DEPRIVATION
Command history, 1993
[AD-A279775] p 256 N95-21989
A model of the neural basis of the rat's sense of direction
[AD-A289678] p 381 N95-26761

SENSORY DISCRIMINATION
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933

SENSORY FEEDBACK
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
Postural control of fish related to gravity input p 44 N95-15118

SENSORY PERCEPTION
The effect of space flight on spatial orientation p 437 A95-88566
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
Neural mechanisms of kinesthesia p 96 N95-14018
Intersensory coordination p 97 N95-14020
Manual discrimination of force p 102 N95-14057
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
Characterization of the fast-phase component of the vestibulo-ocular response
[AD-A281830] p 147 N95-16360
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692
The role of the vestibular system in manual target localization p 533 N95-32422

SENSORY STIMULATION
Postural control of fish related to gravity input p 44 N95-15118

SEPARATORS
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650

SEPTUM
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376

SEQUENCING
Microbial communities in subsurface environments: Diversity, origin, and evolution
[DE94-013699] p 27 N95-11737
Perception of complex auditory patterns
[AD-A284189] p 159 N95-18626
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
On producing sequential movements and actions. An integrative review and an update of the generalized motor program
[AD-A288628] p 357 N95-25610

SEQUENTIAL CONTROL
A database for analyzing sequential behavioral data and their associated cognitive models
[AD-A280061] p 260 N95-19887

SEROTONIN
Influence of hypoxia and serotonin on small pulmonary vessels
[HTN-95-10073] p 51 A95-61924
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
Motor activity anddepression-related disorders
[HTN-95-11907] p 390 A95-85988

SERUMS
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
Organization of the human circadian system
[AD-A288223] p 449 N95-28915

SERVICE MODULES
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348

SERVOCONTROL
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024

SERVOMECHANISMS
Proceedings of the 33d SICE (the Society of Instrument and Control Engineers) Annual Conference, part 1
[DE95-758947] p 430 N95-28947

SEWAGE
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618

SEWAGE TREATMENT
Resource recovery and epidemiology of anaerobic wastewater treatment process in a controlled ecological life support system
[NASA-CR-197930] p 314 N95-23474

SEX FACTOR
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
Ratios and regressions in body size and function: A commentary
[HTN-95-A0677] p 290 A95-74378
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
A proposal to study gender differences in the rates of decompression sickness
[AD-A281854] p 147 N95-16297
Mental rotation with and without a concurrent task: Moderating effects of visuospatial ability
[AD-A281866] p 169 N95-16301
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794

SHAPES
Analysis of aggregation mechanism of erythrocytes under normal- and microgravity conditions p 407 A95-87299
Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817
Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557

SHELTERS
Habitat for short duration lunar mission p 25 N95-11616

Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083

SHIELDING

Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659

SHIP TERMINALS

Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083

SHIVERING

Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910

SHOCK (PHYSIOLOGY)

Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide
[HTN-95-50856] p 235 A95-73046

Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084

Summary of the Sixteenth Annual Conference on Shock
[AD-A282643] p 32 N95-12542

SHOCK FRONTS

Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515

SHOCK WAVE INTERACTION

Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820

SHOCK WAVES

Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820

Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535

Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515

SHORT WAVE RADIATION

Absorption of ultra-short wave radiant energy by white rats
[HTN-95-93126] p 486 A95-95627

SHOULDERS

Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907

SICKNESSES

Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424

SIDE-LOOKING RADAR

Developments in ground-penetrating radar at LLNL
[DE94-012236] p 95 N95-13671

SIGNAL ANALYSIS

Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618

Algorithm for real-time detection of QRS complex in ECG signal
[HTN-95-93118] p 491 A95-95619

SIGNAL DETECTION

Tissue optical properties measured with acoustic transducer p 433 A95-87821

Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184

Analysis of group performance in visual signal detection
[AD-A289561] p 391 N95-26683

Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436

SIGNAL DETECTORS

Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184

SIGNAL PROCESSING

Modeling methodology for vascular input impedance determination and interpretation
[HTN-95-10070] p 50 A95-61921

The sense of taste
[HTN-95-92318] p 376 A95-85362

The role of signal systems in cell gravisensitivity
p 411 A95-87502

Virtual acoustic displays p 98 N95-14035

Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184

Enhanced visual user interface support for domain-oriented application composition systems
[AD-A289337] p 400 N95-26737

Long-range eye tracking: A feasibility study
[DE95-008587] p 393 N95-28176

Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667

SIGNAL TO NOISE RATIOS

Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887

Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892

Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436

SIGNATURES

An in-home study of subjective response to simulated sonic booms p 93 N95-14891

Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484

Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851

SIGNS AND SYMPTOMS

Disorientation and postural disequilibrium from simulated flight p 490 A95-95164

Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623

Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112

The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738

Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741

Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742

Dark focus of accommodation as dependent and independent variables in visual display technology
p 154 N95-16758

Crosshift vibrometry: Biomarker for ergonomic stress
[AD-A284337] p 180 N95-18385

Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324

Diagnostic antigens of Leishmania
[AD-A288805] p 381 N95-27097

SILICA GEL

Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis
[HTN-95-01237] p 427 A95-91469

SILICON

Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720

SILICON DIOXIDE

Silica biomorphs: An alternative explanation of some putative Precambrian microfossils — Abstract only
p 131 A95-63875

Inorganic self-organisation in Precambrian cherts
[HTN-95-10291] p 140 A95-64053

Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359

SILICONE RUBBER

Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766

SILK

Untangling the evolution of the web
[HTN-95-81497] p 376 A95-85211

SIMULATED ANNEALING

Automated integration of genomic physical mapping data via parallel simulated annealing
[DE95-008057] p 382 N95-27725

SIMULATION

Phantoms for fluorescence spectroscopy
p 435 A95-87830

Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618

Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917

The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267

SIMULATORS

Implications of object versus space based theories of attention in the design of the aircraft head-up display
[AD-A281791] p 22 N95-11326

Some criteria for teleoperators and virtual environments from experiences with vehicle/operator simulation
p 97 N95-14028

Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700

SINE WAVES

Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406

SITTING POSITION

Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448

Portable seat lift
[NASA-CASE-MFS-28610-1] p 23 N95-11394

Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131

Individual variability in the transmission of vertical vibration from seat to head
[ISVR-TR-236] p 104 N95-15850

The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740

Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone
p 151 N95-16745

Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change
p 532 N95-34056

SIZE (DIMENSIONS)

Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus
p 409 A95-87495

SIZE DETERMINATION

Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand — Abstract only
p 118 A95-63816

The need to scale for differences in body size and mass: An explanation of Kleiber's 0.75 mass exponent
[HTN-95-70499] p 230 A95-71521

Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977

Body dimensions for apparel
[PB94-187739] p 37 N95-11908

Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714

SKIN (ANATOMY)

Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913

Maximal skin blood flow is decreased in elderly men
[HTN-95-A0586] p 269 A95-74287

Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421282944] p 320 A95-78955

In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833

Sweating response to simulated weightlessness
p 441 A95-88585

Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins
p 442 A95-88599

Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619

Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809

Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563

Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998

SKIN TEMPERATURE (BIOLOGY)

Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307

Cardiorespiratory changes during microwave-induced lethal heat stress and beta-adrenergic blockade
[HTN-95-A0625] p 279 A95-74326

Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362

Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746

Thermal resistance of the cheek in cold air
[AD-A286257] p 256 N95-22001

Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310

Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
SKULL
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
Non-invasive detection of increased intracranial pressure using acoustical techniques
[AD-A279292] p 351 N95-24309
SKY SURVEYS (ASTRONOMY)
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026
SLEEP
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep
[HTN-95-10097] p 57 A95-61948
Influence of lung volume dependence of upper airway resistance during continuous negative airway pressure
[HTN-95-A0138] p 204 A95-68921
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
Apnea after normocapnic mechanical ventilation during NREM sleep
[HTN-95-50876] p 239 A95-73066
Respiratory muscle activity during sleep-induced periodic breathing in the elderly
[HTN-95-50879] p 240 A95-73069
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia
[HTN-95-50880] p 240 A95-73070
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015
Quantifying the potential of infant bedding to limit CO2 dispersal and factors affecting rebreathing in bedding
[HTN-95-91920] p 344 A95-82022
Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854
On-board crew-rest facilities p 522 A95-95134
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649
Alertness management in two-person long-haul flight operations p 170 N95-16760
Phase-shifting effects of light and activity on the human circadian clock
[AD-A281204] p 156 N95-16796
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083
SLEEP DEPRIVATION
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
SMART STRUCTURES
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
SMOG
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
SMOKE
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224
SNELLEN TESTS
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140
SOCIAL FACTORS
Crosscultural perspectives in human factors training: Lessons from the ICAO Human Factors Program
[HTN-95-A0506] p 260 A95-72577
SOCIAL ISOLATION
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
Interpersonal relations during simulated space missions
[HTN-95-12201] p 455 A95-91901
SOCKS
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
SODIUM
Cisternal Na(+) transport inhibition and the ventilatory response to CO2
[HTN-95-70465] p 222 A95-71487
Effect of Na(+) and K(+) channel blockade on baseline and anoxia-induced catecholamine release from rat carotid body
[HTN-95-70467] p 222 A95-71489
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
Self-assembly of a double-helical complex of sodium
[BTN-94-EIX94401310330] p 305 A95-76505
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
Unidirectional sodium and potassium flux in myogenic L6 cells: Mechanisms and volume-dependent regulation
[HTN-95-21587] p 372 A95-83372
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924
SODIUM CARBONATES
Inorganic self-organisation in Precambrian cherts
[HTN-95-10291] p 140 A95-64053
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
SODIUM CHLORIDES
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347
SODIUM COMPOUNDS
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
SODIUM IODIDES
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
SODIUM SALICYLATES
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
SODIUM SILICATES
Inorganic self-organisation in Precambrian cherts
[HTN-95-10291] p 140 A95-64053
SOFTWARE ENGINEERING
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2
[DE94-014513] p 104 N95-15309
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935
SOFTWARE RELIABILITY
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866
SOFTWARE REUSE
Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427
SOIL MOISTURE
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels p 361 A95-82587
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590
Peculiarities of moisture transfer in capillary-porous soil substitutes during space flight p 476 A95-93764
SOIL SCIENCE
The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320
SOILS
The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
Life on Mars? 2: Physical restrictions p 215 A95-66773
Search for life on Mars: Evaluation of techniques p 216 A95-66776
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257
Use of planetary soils within CELSS: The plant viewpoint p 482 A95-93813
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: Initial results from biosphere 2 p 516 A95-93814
Solid matrix and liquid culture procedures for growth of potatoes p 482 A95-93815
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
SOLAR ACTIVITY
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162
Prediction of solar particle events for exploration class missions p 349 A95-81436
SOLAR ACTIVITY EFFECTS
Radiation environment during the long space mission (Mars) due to galactic cosmic rays p 349 A95-81432
Space radiation issues within the Space Exploration Initiative (SEI) p 321 A95-81454

SOLAR CORPUSCULAR RADIATION
Prediction of solar particle events for exploration class missions p 349 A95-81436
SOLAR COSMIC RAYS
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
Prediction of solar particle events for exploration class missions p 349 A95-81436
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
SOLAR ENERGY
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
SOLAR ENERGY CONVERSION
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075
SOLAR PLANETARY INTERACTIONS
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162
SOLAR PROTONS
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
The relative biological effectiveness of attenuated protons p 321 A95-81449
SOLAR RADIATION
Light remedies for hazardous wastes
[HTN-95-41864] p 320 A95-80590
Radiation health for a Mars mission p 383 A95-82602
SOLAR RADIATION SHIELDING
Investigation of lunar base thermal control system options
[SAE PAPER 932112] p 462 A95-90353
SOLAR STORMS
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
SOLAR SYSTEM
Future NASA plans for exobiology and solar system exploration — Abstract only p 186 A95-63900
SOLAR SYSTEM EVOLUTION
ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993 — Abstracts only
[HTN-95-40049] p 105 A95-63744
The meteoritic record of presolar and early solar system organic chemistry — Abstract only p 183 A95-63755
Cometary coma chemical composition (C4) mission — Abstract only p 110 A95-63773
Exobiology opportunities from Discovery-class missions — Abstract only p 184 A95-63890
Exobiology experiments for Earth-orbital platforms — Abstract only p 185 A95-63891
Exobiology experiments in Earth orbit: Results and perspectives for future research — Abstract only p 185 A95-63899
Circumstellar chemistry from microwave and mm-wave spectroscopy p 214 A95-66752
Cosmic evolution of the biogenic elements and compounds
[HTN-95-41238] p 316 A95-75050
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
SOLAR TERRESTRIAL INTERACTIONS
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775
SOLAR WIND
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320
Exobiology opportunities from Discovery-class missions — Abstract only p 184 A95-63890
Circumstellar chemistry from microwave and mm-wave spectroscopy p 214 A95-66752
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821
SOLID STATE DEVICES
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
SOLID WASTES
Marshall Space Flight Center solid waste characterization and recycling improvement study
[NASA-CR-196594] p 402 N95-27164
SOLIDS
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
SOLUBILITY
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003
SOLUTION
Use of scaling theory to relate measurements of lung endothelial barrier permeability
[HTN-95-50898] p 244 A95-73088
SOLUTIONS
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
SONAR
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
SONIC BOOMS
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892
SORPTION
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354
SOUND LOCALIZATION
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
Pattern-analysis based models of masking by spatially separated sounds
[AD-A291270] p 453 N95-29933
SOUND PRESSURE
Effects of Noise on Hearing 5th International Symposium
[AD-A281439] p 33 N95-13177
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
SOUND TRANSDUCERS
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
SOUND TRANSMISSION
Gas density does not affect pulmonary acoustic transmission in normal men
[HTN-95-00426] p 326 A95-81943
SOUND WAVES
Gas density does not affect pulmonary acoustic transmission in normal men
[HTN-95-00426] p 326 A95-81943
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876
SOUNDING ROCKETS
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
SOYBEANS
Soybean cotyledon starch metabolism is sensitive to altered gravity conditions
[ISBN 0-08-042485-6] p 4 A95-60644
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
SOYUZ SPACECRAFT
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751
SPACE
Suited for spacewalking: Teacher's guide with activities for physical and life science
[NASA-EG-101] p 96 N95-13888
SPACE ADAPTATION SYNDROME
Unusual visual stimulation in dynamic balance conditions: Proposal for a space motion sickness test
[ISBN 0-08-042485-6] p 15 A95-60680
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
Comparison of space adaptation and vestibular compensation p 436 A95-88561
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment p 437 A95-88562
Duration versus response to space-flight exposure p 437 A95-88563
Validation of the otolith asymmetry hypothesis as a cause of space motion sickness p 438 A95-88572
Difficultie of target motion perception in space p 439 A95-88576
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
Spacelab Life Sciences-1
[NASA-TM-109873] p 16 N95-10550
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
The relationship between space sickness and preflight diet p 88 N95-15122
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Aerospace Medical Association 63rd Annual Scienti fic Meeting Program p 142 N95-16737
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Dark focus of accommodation as dependent and independent variables in visual display technology p 154 N95-16758
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
Relation of motion sickness susceptibility to vestibular and behavioral measures of orientation
[NASA-CR-198048] p 352 N95-24410
SPACE BASES
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
Planetary stations and Abyssal Benthic Laboratories: An overview of parallel approaches for long-term investigation in extreme environments p 316 N95-23732
SPACE COMMERCIALIZATION
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
BioServe space technologies: A NASA Center for the Commercial Development of Space
[NASA-CR-196983] p 141 N95-16034
SPACE ENVIRONMENT SIMULATION
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
Space flight and humoral and cellular immunity of animals p 44 N95-15113
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans p 88 N95-15120
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
SPACE ERECTABLE STRUCTURES
The individual integral space habitation: Preliminary sketch design of an individual tensile space habitation, situated within a large-scale centralised tensile lattice structured pneumatic enclosure, in microgravitational space p 23 N95-11601
SPACE EXPLORATION
Future NASA plans for exobiology and solar system exploration — Abstract only p 186 A95-63900
An exobiology science strategy for Mars exploration — Abstract only p 186 A95-63901
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600

Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design
[NASA-TM-108846] p 37 N95-11905
Artificial gravity: How much, how often, how long?
p 178 N95-16778

SPACE FLIGHT
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans
p 88 N95-15120
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
The role of the vestibular system in manual target localization p 533 N95-32422

SPACE FLIGHT FEEDING
The effects of freezing on selected European and Asian foods prepared for International Space Missions
p 396 A95-82610
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645
Protein requirements for long term missions
p 488 A95-93778
The relationship between space sickness and preflight diet p 88 N95-15122

SPACE FLIGHT STRESS
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
Influence of spaceflight on the production of interleukin-3 and interleukin-6 by rat spleen and thymus cells
[HTN-95-00411] p 322 A95-81928
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
Hormonal changes on rat under the hypergravity exposure p 362 A95-82609
Behavior of space frog p 362 A95-82611
Overloads influence on cosmonaut's reaction rate
p 384 A95-82615
Duration versus response to space-flight exposure
p 437 A95-88563
The effect of space flight on spatial orientation
p 437 A95-88566
Volume regulation in humans during weightlessness
p 438 A95-88568
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090

SPACE FLIGHT TRAINING
Meeting human needs
[AAS PAPER 91-313] p 457 A95-87470
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661

SPACE HABITATS
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts
[SAE PAPER 932091] p 459 A95-90338
Investigation of lunar base thermal control system options
[SAE PAPER 932112] p 462 A95-90353
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Advanced life support system analysis: Methodological framework and application studies
[SAE PAPER 932129] p 463 A95-90370
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629

SPACE HEATING (BUILDINGS)
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning
[PB95-196382] p 403 N95-28659

SPACE LABORATORIES
Fungi in space - Literature survey on fungi used for space research
[HTN-95-80093] p 105 A95-63479
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Life Sciences Centrifuge Facility review
[NASA-CR-196849] p 41 N95-13702
Microgravity Sciences Biotechnology Facility assessment
[NASA-CR-196602] p 382 N95-27329

SPACE MANUFACTURING
Time, ice and terraforming
[HTN-95-60881] p 358 A95-78861

SPACE MISSIONS
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Psychological training of NASA astronauts for extended missions p 171 N95-16763
Microgravity Sciences Biotechnology Facility assessment
[NASA-CR-196602] p 382 N95-27329
Life sciences program
[NASA-CR-197658] p 432 N95-30292

SPACE PERCEPTION
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116
The effect of space flight on spatial orientation
p 437 A95-88566
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
How are three-dimensional objects represented in the brain?
[AD-A282367] p 34 N95-11942
Distance estimation training with night vision goggles: A preliminary study
[AD-A284900] p 104 N95-15755
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
Space constancy on video display terminals
[AD-A280015] p 261 N95-20314
Distance estimation training with night vision goggles under low illumination
[AD-A291338] p 472 N95-29943

SPACE PLATFORMS
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469

SPACE PROCESSING
Phototaxis in the flagellate, Euglena gracilis, under the effect of microgravity
[HTN-95-80092] p 105 A95-63478
Fungi in space - Literature survey on fungi used for space research
[HTN-95-80093] p 105 A95-63479
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227

SPACE PROGRAMS
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136

SPACE PSYCHOLOGY
Psychological challenges of manned spaceflight
[HTN-95-11448] p 354 A95-79426
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646

SPACE SHUTTLE MISSIONS
The gravitational plant physiology facility-Description of equipment developed for biological research in spacelab
[HTN-95-80713] p 245 A95-73285
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1)
p 84 N95-14223
Living in space
[NASA-TM-110536] p 314 N95-23274

SPACE SHUTTLE ORBITERS
Habitat for short duration lunar mission
p 25 N95-11616

SPACE SHUTTLE PAYLOADS
P-MASS and P-ODA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
Dexterous Orbital Servicing System (DOSS)
p 316 N95-23723

SPACE SHUTTLES
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755

SPACE SIMULATORS
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646

SPACE STATION FREEDOM
Exobiology research on Space Station Freedom
p 215 A95-66768
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Developing an international astronaut team
p 20 N95-11607
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061

SPACE STATION PAYLOADS
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
Life Sciences Centrifuge Facility assessment
[NASA-CR-196848] p 30 N95-13423
Automation and crew time saving in the space experiment p 315 N95-23715

SPACE STATIONS
Functions effectiveness model for design of integrated regenerative life support system
[SAE PAPER 932066] p 467 A95-91644
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
Strength training as a counter-measure for microgravity effects p 18 N95-11608
Life Sciences Centrifuge Facility assessment
[NASA-CR-196848] p 30 N95-13423
Results of an International Space Crew Debrief
p 152 N95-16750
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688

SPACE SUITS
Design and structural analysis of highly mobile space suits and gloves
[BTN-95-EIX95182617479] p 313 A95-75750
Performance of EVA suit mobility joints influence of driving parameters
[SAE PAPER 932098] p 460 A95-90342
European EVA space suit: Full scale evaluations and analysis for the lower torso conceptual design
[SAE PAPER 932099] p 460 A95-90343
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
Microbial control of the space suit assembly for space station freedom
[SAE PAPER 932103] p 461 A95-90347
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design
[NASA-TM-108846] p 37 N95-11905
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970
Design and technical support for development of a molded fabric space suit joint
[NASA-CR-197521] p 179 N95-16894

Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
SPACE TRANSPORTATION SYSTEM FLIGHTS
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1)
p 84 N95-14224
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
SPACEBORNE ASTRONOMY
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026
SPACEBORNE EXPERIMENTS
Fungi in space - Literature survey on fungi used for space research
[HTN-95-80093] p 105 A95-63479
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
Temperature prediction of space flight experiments by computer thermal analysis
[HTN-95-60849] p 348 A95-78303
Behavior of space frog p 362 A95-82611
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster
p 363 A95-82612
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I
p 404 A95-83983
ERA-experiment 'space biochemistry'
p 404 A95-83984
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Spacelab Life Sciences-1
[NASA-TM-109873] p 16 N95-10550
Training for life science experiments in space at the NASA Ames Research Center p 37 N95-11964
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
The avian embryo responding to microgravity of space flight p 43 N95-15104
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106
Space flight and humoral and cellular immunity of animals p 44 N95-15113
Postural control of fish related to gravity input
p 44 N95-15118
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
Centrifuges in gravitational physiology research
p 91 N95-15147
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
Living in space
[NASA-TM-110536] p 314 N95-23274
Automation and crew time saving in the space experiment p 315 N95-23715
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF
p 309 N95-23821
Electrophoretic separation of cells and particles from rat pituitary — analysis of pituitary cell electrophoresis experiment done on IML-2 (7/94)
[NASA-CR-197975] p 345 N95-24475
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730
Effects of gravity and light on plant growth and performance in normal and reduced gravity
p 529 N95-32901
SPACECRAFT
The experimental study of microbial contamination of the space hardware p 217 A95-66788
SPACECRAFT CABIN ATMOSPHERES
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932088] p 469 A95-91662
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
SPACECRAFT CABIN SIMULATORS
Interpersonal relations during simulated space missions
[HTN-95-12201] p 455 A95-91901
SPACECRAFT CONSTRUCTION MATERIALS
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
SPACECRAFT CONTAMINATION
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
SPACECRAFT CONTROL
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory
p 356 A95-80397
Formalizing procedures for operations automation, operator training and spacecraft autonomy
p 315 N95-23720
SPACECRAFT DESIGN
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
SPACECRAFT DOCKING
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
SPACECRAFT ENVIRONMENTS
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Advanced life support system analysis: Methodological framework and application studies
[SAE PAPER 932129] p 463 A95-90370
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Strength training as a counter-measure for microgravity effects p 18 N95-11608
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
SPACECRAFT EQUIPMENT
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
SPACECRAFT MODULES
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
Living in space
[NASA-TM-110536] p 314 N95-23274
SPACECRAFT POWER SUPPLIES
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
SPACECRAFT RADIATORS
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
SPACECRAFT RECOVERY
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
SPACECRAFT STERILIZATION
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
The experimental study of microbial contamination of the space hardware p 217 A95-66788
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
SPACECRAFT STRUCTURES
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
SPACECREWS
Space radiation issues within the Space Exploration Initiative (SEI) p 321 A95-81454
The great lunar quarantine — Apollo Project's post-mission quarantine
[HTN-95-A0582] p 384 A95-83162
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
Critical issues for space life sciences
p 436 A95-88559
Effect of space flight on the immune system in man
p 437 A95-88565
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853
Interpersonal relations during simulated space missions
[HTN-95-12201] p 455 A95-91901
Developing an international astronaut team
p 20 N95-11607
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615
Habitat for short duration lunar mission
p 25 N95-11616
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
Aerospace Medical Association 63rd Annual Scienti fic Meeting Program p 142 N95-16737
Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
Results of an International Space Crew Debrief
p 152 N95-16750
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Psychological training of NASA astronauts for extended missions p 171 N95-16763
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777

Artificial gravity: How much, how often, how long?
p 178 N95-16778
Telepresence control of a dual-arm dexterous robot
p 316 N95-23735

SPACELAB
The gravitational plant physiology facility-Description of equipment developed for biological research in spacelab
[HTN-95-80713] p 245 A95-73285
Spacelab Life Sciences-1
[NASA-TM-109873] p 16 N95-10550
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818

SPACELAB PAYLOADS
Training for life science experiments in space at the NASA Ames Research Center p 37 N95-11964

SPACING
Integration of local features as a function of global goodness and spacing
[HTN-94-00404] p 19 A95-60124
Characterization and redesign of the AFIT multielectrode array
[AD-A289295] p 386 N95-27039

SPATIAL DISTRIBUTION
Mental rotation with and without a concurrent task: Moderating effects of visuospatial ability
[AD-A281866] p 169 N95-16301
Creation of new items and forms for the Project A Assembling Objects test
[AD-A285522] p 174 N95-18095
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041
Codes of processing and multiple resources: Model and methodology
[AD-A289583] p 391 N95-26691
Estimation of spatially restricted LET using track structure models p 527 N95-32722

SPECIFICATIONS
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support
[PB94-215597] p 181 N95-19412
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691

SPECTRAL REFLECTANCE
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels
p 361 A95-82587

SPECTROPHOTOMETRY
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524

SPECTROSCOPIC ANALYSIS
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298

SPECTROSCOPY
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
Self-assembly of a double-helical complex of sodium
[BTN-94-EIX94401310330] p 305 A95-76505
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
Instrumentation for plant health and growth
p 478 A95-93788
Laser fluorescence spectroscopy of human skin in vivo: the effect of erythema
[BTN-94-EIX94441385677] p 531 A95-96595
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546

SPECTRUM ANALYSIS
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels
p 361 A95-82587
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561

SPECULAR REFLECTION
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421

SPEED CONTROL
Use of optical edge and optical flow rate: Information in the perception and control of ground velocity
p 497 A95-95079

SPIDERS
Untangling the evolution of the web
[HTN-95-81497] p 376 A95-85211

SPIN DYNAMICS
How to spin a planet
[HTN-95-60882] p 358 A95-78862

SPINAL CORD
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations
p 166 N95-19436

SPINDLES
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940

SPINE
An observation of vestibular spinal relationship
p 438 A95-88569
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667
Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907

SPLEEN
Influence of spaceflight on the production of interleukin-3 and interleukin-6 by rat spleen and thymus cells
[HTN-95-00411] p 322 A95-81928
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638

SPORES
Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I
p 404 A95-83983
DNA stability and survival of Bacillus subtilis spores in extreme dryness p 423 A95-88748
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251

SPRAYERS
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224

SPREADING
Interaction of exogenous and endogenous surfactant: Spreading-rate effects
[HTN-95-91921] p 345 A95-82023

SPRING (SEASON)
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362

SQUEEZE FILMS
A buoyancy-driven squeeze-film model of intrapleural fluid dynamics: Basic concepts
[HTN-95-A0733] p 304 A95-75302

STABILITY
Stability of microorganisms isolated from the stratosphere and the mesosphere to the action of low and ultralow temperatures
[HTN-95-41639] p 319 A95-78734
Stabilization of performance on a computer-based version of the multiple task performance battery
p 507 A95-95172

STABILIZATION
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774

STABILIZED PLATFORMS
Lockheed Stabilizer System for space exercise equipment
[NASA-CR-197657] p 471 N95-29180

STAINING
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059

STANDARD DEVIATION
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976

STANDARDIZATION
Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
Standards relevant to a NATO anthropometry survey using 3D imaging tools
[AD-A283065] p 39 N95-13055
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
The effect of special boards of flight surgeons on the evolution of US Naval flight standards
p 162 N95-19417
A comparison of the aeromedical administration requirements for US Air Forces and major allies
[AD-A290137] p 450 N95-29141

STANDARDS
Management of human failure in the cockpit by means of a human system failure checklist p 523 A95-95199

STAPHYLOCOCCUS
Studies in the search for life on Mars
p 192 A95-66779
Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435

STARCHES
Soybean cotyledon starch metabolism is sensitive to altered gravity conditions
[ISBN 0-08-042485-6] p 4 A95-60644

STATISTICAL ANALYSIS
Correlations between structural and chemical properties of amino acids and their place in the genetic code table --- Abstract only p 120 A95-63828
Higher order statistics of planetary gravities and topographies
[HTN-95-20761] p 268 A95-71121
An evolutionary game with biased dice
[HTN-95-41641] p 319 A95-78736
Predicting aircraft pilot-training success: A meta-analysis of published research
[HTN-95-92289] p 388 A95-85333
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems
[DE95-000859] p 247 N95-21366
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
Diagnosing cloudiness from global numerical weather prediction model forecasts
[AD-A289456] p 392 N95-26992
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-28519
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794
Intermediate levels of visual processing
[AD-A291569] p 455 N95-28937
Test theory reconceived
[AD-A291836] p 456 N95-29432

STATISTICAL DECISION THEORY
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642

STEAROTHERMOPHILUS
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251
STELLAR COMPOSITION
Laboratory astrophysics and molecular astronomy of pure carbon molecules p 189 A95-66753
STELLAR ENVELOPES
Organic molecules in the gas phase of dense interstellar clouds p 189 A95-66755
STELLAR EVOLUTION
Circumstellar chemistry from microwave and mm-wave spectroscopy p 214 A95-66752
STELLAR RADIATION
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659
STEMS
Oscillations of axial plant organs
[ISBN 0-08-042485-6] p 5 A95-60651
Graviresponses in fungi p 409 A95-87494
Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus p 409 A95-87495
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
STEREOCHEMISTRY
Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis — Abstract only p 131 A95-63877
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
STEREOSCOPIC VISION
Intermediate levels of visual processing
[AD-A284922] p 261 N95-19998
Integration of segmentation and stereo matching
[PB95-107819] p 255 N95-21028
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
STEREOSCOPY
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, stereopsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Integration of segmentation and stereo matching
[PB95-107819] p 255 N95-21028
STEROIDS
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
STIFFNESS
Mechanics and form of the maize leaf: In vivo qualification of flexural behavior
[BTN-94-EIX94461400303] p 141 A95-65315
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040
STIMULATION
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
Pattern-analysis based models of masking by spatially separated sounds
[AD-A291270] p 453 N95-29933
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin-Huxley model of a neuron
[AD-A293821] p 493 N95-31552
STIMULI
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 388 A95-84375
Stimulus-response compatibility
[PB95-214722] p 537 N95-33237
STOCHASTIC PROCESSES
The electrical behaviour of an excitable cell at different conditions
[DE95-607911] p 381 N95-27254
STOMACH
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats p 418 A95-88594
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625
STORAGE STABILITY
The effects of freezing on selected European and Asian foods prepared for International Space Missions p 396 A95-82610
STRAIN RATE
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
STRANDS
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
STRATEGY
New diagnostic tools for measuring learning behavior in pilot trainees p 503 A95-95146
Seven aeronautical pyramides p 503 A95-95147
STRATOSPHERE
Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885
Stability of microorganisms isolated from the stratosphere and the mesosphere to the action of low and ultralow temperatures
[HTN-95-41639] p 319 A95-78734
STREAMS
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041
STREPTOCOCCUS
Studies in the search for life on Mars p 192 A95-66779
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
STRESS (BIOLOGY)
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins p 442 A95-88599
Effective team performance under stress and normal conditions: An experimental paradigm, theory and data for studying team decision making in hierarchical teams with distributed expertise
[AD-A284683] p 175 N95-18530
STRESS (PHYSIOLOGY)
Effects of altered gravity on plant cell processes: Results of recent space and clinostatic experiments
[ISBN 0-08-042485-6] p 3 A95-60640
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
Superresistance against hypoxia after preliminary adaptation to repeated stress
[HTN-95-70071] p 75 A95-62513
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
Effects of acute lung injury on dynamic tissue properties
[HTN-95-70488] p 227 A95-71510
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold
[HTN-95-A0715] p 300 A95-75284
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
Overloads influence on cosmonaut's reaction rate p 384 A95-82615
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
A large database study of the factors associated with work-induced fatigue
[HTN-95-B0072] p 377 A95-85888
Meeting human needs
[AAS PAPER 91-313] p 457 A95-87470
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445
Recognizing subtle physiological cues: Training to prevent pilot incapacitation p 489 A95-95138
High-altitude physiology training p 490 A95-95140
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280661] p 13 N95-10920
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1) p 84 N95-14224
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300
USAF cellular mechanism of turnover of the stress induced protein HSP70
[AD-A285618] p 251 N95-19898
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
Psychosocial stress and mental health in a forward-deployed military community
[AD-A285940] p 263 N95-22323
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324
Interrelations between nervous system and immune system in stress situations
[PB95-135521] p 311 N95-22770
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161

Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757
Locus of control and coping style as stress moderators in achievement oriented individuals
[AD-A294275] p 534 N95-34463
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472

STRESS (PSYCHOLOGY)
Overwintering in the Antarctica as an analog for long term manned spaceflight
[ISBN-0-08-042485-6] p 15 A95-60686
Overloads influence on cosmonaut's reaction rate
p 384 A95-82615
The roles of immediacy and redundancy in relative subjective workload assessment
[HTN-95-B0067] p 389 A95-85883
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
A large database study of the factors associated with work-induced fatigue
[HTN-95-B0072] p 377 A95-85888
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
Psychological first-aid: A practical aide-memoire
[HTN-95-12210] p 455 A95-91910
Illness, drugs, fatigue and stress in the cockpit reported by pilots p 489 A95-95136
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
Locus coeruleus, vigilance and stress: Brain mechanisms of adaptive behavioral responsiveness
[AD-A282450] p 169 N95-16377
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
Psychosocial stress and mental health in a forward-deployed military community
[AD-A285940] p 263 N95-22323
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Coping and adaptation: Theoretical and applied perspectives
[AD-A290513] p 455 N95-29090

STRESS ANALYSIS
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air
p 31 N95-11806

STRESS DISTRIBUTION
Finite element analysis of a composite wheelchair wheel design
[NASA-TM-108463] p 22 N95-11195
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

STRESS INTENSITY FACTORS
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054

STRESS MEASUREMENT
Tissue optical properties measured with acoustic transducer p 433 A95-87821

STRESS-STRAIN RELATIONSHIPS
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368

STRETCHING
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
Force and contractile characteristics after stretch overload in quail anterior latissimus dorsi muscle
[HTN-95-A0596] p 271 A95-74297
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287

STROKE VOLUME
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335

STRONTIUM 90
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251

STRUCTURAL ANALYSIS
Mechanics and form of the maize leaf: In vivo qualification of flexural behavior
[BTN-94-EIX94461400303] p 141 A95-65315
Design and structural analysis of highly mobile space suits and gloves
[BTN-95-EIX95182617479] p 313 A95-75750
Bacterial luciferase: Determination of the structure by x-ray diffraction
[AD-A279699] p 246 N95-20711
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
Development and computer implementation of design/analysis techniques for multilayered composite structures. Probabilistic fiber composite micromechanics
[NASA-CR-198979] p 524 N95-31134

STRUCTURAL DESIGN
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265
Feasibility study of inflatable structures for a lunar base
[BTN-95-EIX95041503792] p 213 A95-69223
Design and structural analysis of highly mobile space suits and gloves
[BTN-95-EIX95182617479] p 313 A95-75750
Finite element analysis of a composite wheelchair wheel design
[NASA-TM-108463] p 22 N95-11195
M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361

STRUCTURAL ENGINEERING
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265

STRUCTURAL MEMBERS
The individual integral space habitation: Preliminary sketch design of an individual tensile space habitation, situated within a large-scale centralised tensile lattice structured pneumatic enclosure, in microgravitational space p 23 N95-11601
Concordia Station p 23 N95-11602

STUDENTS
NASA's Space Life Sciences Training Program
[ISBN 0-08-042485-6] p 12 A95-60689
Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes
[ISBN 0-08-042485-6] p 12 A95-60690
Educational projects in Space Life Sciences in Canada
[ISBN 0-08-042485-6] p 12 A95-60691
Questionnairing university students in biology on emergence and evolution of life — Abstract only
p 113 A95-63791
New diagnostic tools for measuring learning behavior in pilot trainees p 503 A95-95146
Characterization and redesign of the AFIT multielectrode array
[AD-A289295] p 386 N95-27039
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
[AD-A291856] p 456 N95-29434
Use of body surface heat patterns for predicting and evaluating acute lower extremity pain among soldiers
[AD-A292829] p 493 N95-31446

SUBMARINES
Effects of graphic and verbal probability information on command decision making
[HTN-95-B0064] p 389 A95-85880

SUBROUTINES
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683

SUBSIDIARIES
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188

SUBSTITUTES
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion
[AD-A289558] p 385 N95-26680
Proceedings of the 11th congress of the international society for artificial cells, blood substitutes and immobilization biotechnology
[AD-A290342] p 431 N95-29088

SUBSTRATES
Rational enzyme redesign
[DE94-014565] p 29 N95-12677

SUCROSE
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

SUGARS
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst — Abstract only
p 110 A95-63777
Prebiotic synthesis of pentaerythritol from formaldehyde investigation of the mechanism — Abstract only
p 110 A95-63778
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252

SULFIDES
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983

SULFUR HEXAFLUORIDE
Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904

SUN
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268

SUNGLASSES
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338

SUPERSATURATION
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process
[BTN-94-EIX94341340604] p 105 A95-63569

SUPERSONIC AIRCRAFT
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755

SUPERSONIC TRANSPORTS
Human engineering analysis for the high speed civil transport flight deck p 517 A95-95040

SUPINE POSITION
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448
Hemodynamic responses to passive body tilts
p 86 N95-15096
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women
p 87 N95-15111

Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
Effect of antiorthostatic BedRest (BR) on GastroIntestinal Motility (GIM) of normal subjects p 153 N95-16753
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
G-protection basis/acceleration physiology p 538 N95-34051
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056

SUPPORT SYSTEMS
Design issues of human operator support systems [PB94-191376] p 36 N95-11778
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970
Design considerations for FrankTalk: A distributed group support system [AD-A289386] p 401 N95-26863

SURFACE GEOMETRY
Formation and vesiculation of biomembranes during spaceflight [ISBN 0-08-042485-6] p 4 A95-60645

SURFACE NAVIGATION
Towards a human operator model of the navigator [PB94-197985] p 179 N95-17468
Navigation system in combat vehicle [PB95-131629] p 265 N95-21467
Using virtual active vision tools to improve autonomous driving tasks [AD-A289175] p 392 N95-27013

SURFACE PROPERTIES
Evaportion-induced changes in airway surface liquid on an isolated guinea pig trachea [HTN-95-10115] p 62 A95-61966
Human lung impedance from spontaneous breathing frequencies to 32 Hz [HTN-95-10117] p 62 A95-61968
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty [HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses [HTN-95-10129] p 65 A95-61980
Tidal volume and alveolar clearance of insoluble particles [HTN-95-60057] p 74 A95-62165
Diameters of juxtacapillary venules determined by oil-drop method in rat lung [HTN-95-A0126] p 201 A95-68909
Pulmonary vascular resistance distribution and recruitment of microvascular surface area [HTN-95-A0139] p 204 A95-68922
Evans blue dye in the assessment of permeability-surface area product in perfused rat lungs [HTN-95-A0155] p 208 A95-68938
Dynamic surface tension of surfactant TA: Experiements and theory [HTN-95-70487] p 227 A95-71509
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma [HTN-95-A0617] p 277 A95-74318
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs [HTN-95-A0673] p 290 A95-74374
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury [HTN-95-A0698] p 296 A95-75267
Fractal analysis of surfactant deposition in rabbit lungs [HTN-95-00418] p 324 A95-81935
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment [HTN-95-00428] p 326 A95-81945
Interaction of exogenous and endogenous surfactant: Spreading-rate effects [HTN-95-91921] p 345 A95-82023
Intermediate levels of visual processing [AD-A291569] p 455 N95-28937

SURFACE REACTIONS
The formation of 'minimal protocell': Thermodynamical and mechanical aspects — Abstract only p 125 A95-63851

SURFACE TEMPERATURE
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Dynamical thermovision for a study of blood flow regulation and pathologies [BTN-94-EIX94401361400] p 310 A95-75510
Absorption of ultra-short wave radiant energy by white rats [HTN-95-93126] p 486 A95-95627
Thermal control systems for low-temperature heat rejection on a lunar base [NASA-CR-197486] p 176 N95-16418

SURFACTANTS
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble [HTN-95-A0114] p 198 A95-68897
Surface activity of lipid extract surfactant in relation to film area compression and collapse [HTN-95-A0151] p 207 A95-68934
Dynamic surface tension of surfactant TA: Experiements and theory [HTN-95-70487] p 227 A95-71509
Effects of acute lung injury on dynamic tissue properties [HTN-95-70488] p 227 A95-71510
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig [HTN-95-50892] p 243 A95-73082
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol [HTN-95-A0603] p 273 A95-74304
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs [HTN-95-A0673] p 290 A95-74374
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury [HTN-95-A0698] p 296 A95-75267
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung [HTN-95-A0710] p 298 A95-75279
Fractal analysis of surfactant deposition in rabbit lungs [HTN-95-00418] p 324 A95-81935
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment [HTN-95-00428] p 326 A95-81945
Interaction of exogenous and endogenous surfactant: Spreading-rate effects [HTN-95-91921] p 345 A95-82023

SURGEONS
Man-machine interfaces in health care p 97 N95-14029

SURGERY
Overview of current medical laser applications: Triumphs and failures p 434 A95-87825
Simulation of arthroscopic surgery using MRI data p 145 N95-15975
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442
Refractive changes during prolonged exposure to altitude following refractive surgery [AD-A290263] p 451 N95-29173

SURVEYS
Questionnairing university students in biology on emergence and evolution of life — Abstract only p 113 A95-63791
A large database study of the factors associated with work-induced fatigue [HTN-95-B0072] p 377 A95-85888
Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers [DOT/FAA/AM-94/13] p 19 N95-10144
Development of an acuity-based nurse staffing system for the post anesthesia care unit [AD-A288831] p 384 N95-26494
Crew adaptation evaluation of the Norwegian Crew Concept (NOROREW) [AD-A288478] p 401 N95-27058
Aerospace physiology AFSC 4M0X1 [AD-A294839] p 532 N95-34564

SURVIVAL
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Will man need the vestibular system in generations to come? p 86 N95-15092
A longevity and survival analysis for a cohort of retired airline pilots [DOT/FAA/AM-95/5] p 354 N95-24237

SURVIVAL EQUIPMENT
Evaluation of Pureau water for use as emergency drinking water for ADF aircraft [MRL-TN-648] p 181 N95-19502

SUSPENDING (HANGING)
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice [HTN-95-00430] p 327 A95-81947
Responses of brown adipose tissue activity to unloading in rats [HTN-95-91874] p 333 A95-81976
Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats [HTN-95-91917] p 344 A95-82019
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
A metabolic cage for the hindlimb suspended rat [NASA-TM-108830] p 13 N95-10828

SWALLOWING
Coordination between respiration and swallowing: Respiratory phase relationships and temporal integration [HTN-95-60048] p 71 A95-62156

SWEAT COOLING
Reproducibility of core temperature threshold for sweating onset in humans [HTN-95-A0640] p 282 A95-74341

SWEDEN
Presentation of a Swedish study program concerning recruitment, selection and training of student air traffic controllers: The MRU project phase 1 p 535 N95-34775

SWIMMING
Bioenergetics and biomechanics of front crawl swimming [HTN-95-91911] p 342 A95-82013
Behavioural changes in Paramecium and Didinium exposed to short-term microgravity and hypergravity p 407 A95-87297
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
Postural control of fish related to gravity input p 44 N95-15118

SYMBIOSIS
The evolution of life without oxygen [HTN-95-42101] p 375 A95-83867

SYMBOLS
Influence of warning label signal words on perceived hazard level [HTN-95-B0069] p 390 A95-85885
Visual and auditory symbols: A literature review [AD-A290222] p 472 N95-29908

SYMPATHETIC NERVOUS SYSTEM
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function [HTN-95-10055] p 46 A95-61906
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin [HTN-95-10069] p 50 A95-61920
Sympathetic nerve activity during prolonged rhythmic forearm exercise [HTN-95-10113] p 61 A95-61964
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times [HTN-95-10122] p 63 A95-61973
Cardiac receptors modulate the renal sympathetic response to dynamic exercise in rabbits [HTN-95-60032] p 67 A95-62140
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis [HTN-95-70464] p 221 A95-71486
Forearm compression during exercise increases sympathetic nerve traffic [HTN-95-70468] p 222 A95-71490
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia [HTN-95-50880] p 240 A95-73070
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits [HTN-95-50882] p 241 A95-73072
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity [HTN-95-A0600] p 272 A95-74301
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans [HTN-95-A0608] p 274 A95-74309
Spaceflight alters autonomic regulation of arterial pressure in humans [HTN-95-A0653] p 310 A95-74354
Edema development and recovery in neurogenic pulmonary edema [HTN-95-A0694] p 294 A95-75263
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans [HTN-95-A0711] p 299 A95-75280

Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory
[AD-A282122] p 17 N95-11337

SYMPTOMOLOGY
Simulator sickness implications for advanced training technologies p 490 A95-95163
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324

SYNAPSES
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials
[HTN-95-A0700] p 296 A95-75269
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization
[AD-A284111] p 143 N95-18439
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 1: Responses to intracellular current p 380 N95-26731

SYNCHRONISM
Particle method for population waves
[BTN-94-EIX94341340324] p 27 A95-60860
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520

SYNCHRONOUS METEOROLOGICAL SATELLITE
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821

SYNCHROTRON RADIATION
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075

SYNCHROTRONS
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897

SYNCOPE
The NAMI syncope test battery and clinical decision-making in aviators with syncope p 164 N95-19428
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360

SYNTHESIS (CHEMISTRY)
Investigations about alpha-aminoacid synthesis under prebiotic conditions --- Abstract only p 107 A95-63761
A model for the prebiotic synthesis of proteins --- Abstract only p 118 A95-63819
From protometabolism to metabolism --- Abstract only p 136 A95-63904
The use of functional inhibitors in the study of ribosomal evolution --- Abstract only p 137 A95-63909
The potential for prebiotic synthesis in hydrothermal systems --- Abstract only p 138 A95-63915
Evidence and conditions for synthesis of organic compounds in hydrothermal systems --- Abstract only p 139 A95-63919
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems --- Abstract only p 139 A95-63920
Template-directed chemistry and the origins of the RNA world
[HTN-95-10293] p 141 A95-64055
Organic analysis of hydrogen cyanide polymers: Prebiotic and extraterrestrial chemistry p 190 A95-66760
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides
[HTN-95-A0476] p 230 A95-72547
Utilization of cofactors expands metabolism in a new RNA world
[HTN-95-A0477] p 230 A95-72548
N6-substituted adenine derivatives and RNA primitive catalysts
[HTN-95-A0478] p 230 A95-72549
Catalysis and prebiotic RNA synthesis
[HTN-95-A0479] p 231 A95-72550
Is ligation the only solution to the pyrophosphate problem?
[HTN-95-A0480] p 231 A95-72551
Peptide nucleic acid (PNA): A model structure for the primordial genetic material?
[HTN-95-A0481] p 231 A95-72552
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
ISSOL Meeting, Barcelona, Spain, 1993
[HTN-95-92680] p 419 A95-88726
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729
Binding of adenine and adenine-related compounds to the clay montmorillonite and the mineral hydroxylapatite p 420 A95-88731
The prebiotic role of adenine: A critical analysis p 420 A95-88732
Evidence for organic synthesis in high temperature aqueous media - facts and prognosis p 421 A95-88735
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis
[HTN-95-01238] p 428 A95-91470

SYNTHETIC APERTURE RADAR
Neural models of motion perception
[AD-A286560] p 262 N95-20845

SYNTHETIC FUELS
Activities of the Division of Energy Biosciences
[DE95-001046] p 208 N95-19613

SYSTEM EFFECTIVENESS
Functions effectiveness model for design of integrated regenerative life support system
[SAE PAPER 932066] p 467 A95-91644

SYSTEM FAILURES
Minimizing human-machine interface failures in high risk systems
[BTN-95-EIX95042474623] p 213 A95-68277
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041
Failure indications on a head-up display p 517 A95-95045
Task specific effects of automation and automation failure on performance, workload, and situation awareness p 519 A95-95060
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
Delayed pilot recognition in lost communication events p 520 A95-95086

SYSTEMS ANALYSIS
Advanced life support system analysis: Methodological framework and application studies
[SAE PAPER 932129] p 463 A95-90370
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
A PC-based system to enhance development of scenarios: Ascend (Analysis of Scenario Demands) system p 505 A95-95158
Analysis of the human operator subsystems p 97 N95-14019
Qualitative vision and action
[AD-A282697] p 179 N95-16966
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
Certify for success: A methodology for human-centered certification of advanced aviation systems p 541 N95-34773

SYSTEMS ENGINEERING
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Ergonomics in laser system design p 458 A95-87846
Advanced life support system analysis: Methodological framework and application studies
[SAE PAPER 932129] p 463 A95-90370
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Using second law analysis to predict the efficiency of ECLSS subsystems
[SAE PAPER 932061] p 466 A95-91640
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642
Environmental control and life support system selection for the first Lunar outpost habitat
[SAE PAPER 932065] p 467 A95-91643
Functions effectiveness model for design of integrated regenerative life support system
[SAE PAPER 932066] p 467 A95-91644
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
The role of expert systems in future cooperative tools for air traffic controllers p 521 A95-95089
Human factors training for the investigator: The results of a systems approach to training development p 523 A95-95207
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970
Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support
[PB94-215597] p 181 N95-19412
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
Design considerations for FrankTalk: A distributed group support system
[AD-A289386] p 401 N95-26863
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522

SYSTEMS INTEGRATION
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
The role of LOFT in CRM integration p 502 A95-95129
The integration of visual simulation in beginning flight training p 504 A95-95154
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
US Coast Guard Human Systems Integration (HSI) process model
[AD-A289172] p 400 N95-26612

SYSTEMS MANAGEMENT
Preliminary analysis of Army aircrew requirements for Joint Surveillance Target Attack Radar System (JSTARS): Human performance requirements and job demands
[AD-A284917] p 104 N95-15759

SYSTOLIC PRESSURE
Heart rate and blood pressure variabilities during graded head-up tilt
[HTN-95-21579] p 369 A95-83364

T

TACHOMETERS
A simple handheld push-button device for in situ calibration of pneumotachographs
[HTN-95-A0682] p 292 A95-74383

TACHYCARDIA
The aeromedical implications of supraventricular tachycardia p 166 N95-19437

TACHYPNEA
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292

TACTICS
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182

TACTILE DISCRIMINATION
Tactile discrimination and representations of texture, shape, and softness p 99 N95-14041
Manual discrimination of force p 102 N95-14057

A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation
p 176 N95-15984

TACTILE SENSORS (ROBOTICS)
Tactile discrimination and representations of texture, shape, and softness
p 99 N95-14041
Force and vision resolvability for assimilating disparate sensory feedback
[AD-A293581] p 512 N95-31685

TANKS (COMBAT VEHICLES)
Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467

TARGET ACQUISITION
Designing instructional simulations: Effects of instructional control and type of training task on developing display-interpretaion skills
[HTN-95-40882] p 259 A95-72259
Developing Guided Search 3.0. The next generation of a model visual search
[AD-A283956] p 93 N95-14369
Target acquisition: Human observer performance studies and TARGAC model validation
[AD-A284436] p 95 N95-15816
Dynamics of the G-excess illusion
p 155 N95-16771
Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552
An image quality analysis of ANVIS-6 night vision goggles
[AD-A289398] p 401 N95-26883

TARGET RECOGNITION
Psychophysical foundations of a model of amplified night vision in target detection tasks
[HTN-95-B0066] p 389 A95-85882
A comparison of performance with visual and auditory displays in a simulated target localization task
p 517 A95-95042
The effects of target vibration on contrast sensitivity
p 497 A95-95081
Natural scene templates as cueing devices
p 520 A95-95082
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
The spatiotemporal characteristics of visual motion priming
[AD-A284782] p 261 N95-20062
An image quality analysis of ANVIS-6 night vision goggles
[AD-A289398] p 401 N95-26883

TARGETS
Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817
Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436

TASK COMPLEXITY
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 388 A95-84375
A componential model of human interaction with graphs: 1. Linear regression modeling
[HTN-95-B0065] p 389 A95-85881
Understanding the determinants of problem-solving behavior in a complex environment
[HTN-95-20753] p 390 A95-86643
P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645
Determining the decision requirements of complex flight crew tasks
p 495 A95-95069
Reliability and validity assessments of task analyses using Miller's terminology
p 508 A95-95187
Pathfinder analysis of Miller's task analysis terminology
p 510 A95-95208
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
Multiple-task performance: A critical review of the literature and a cognitive neuroscience framework
[AD-A285133] p 212 N95-19583
Human performance studies for control of multiple remote systems
[AD-A286623] p 265 N95-20768

TASK PLANNING (ROBOTICS)
Task planning of two robot arms by learning of macro-operators
p 396 A95-82676

TASKS
A large database study of the factors associated with work-induced fatigue
[HTN-95-B0072] p 377 A95-85888
Blink rate: A possible measure of fatigue
[HTN-95-B0073] p 377 A95-85889
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
Effect of task load and task load increment on performance and workload
p 519 A95-95058
Task specific effects of automation and automation failure on performance, workload, and situation awareness
p 519 A95-95060
Understanding pilots' performance: An empirical scrutiny
p 497 A95-95084
The development of cognitive tasks for the selection of air traffic control personnel
p 499 A95-95105
Uses of part-task trainers in instrument flight training
p 504 A95-95153
Designing computer-based instructional simulation: Instructional control and part-whole-task training
p 505 A95-95160
Attention in a multi-task environment
p 506 A95-95168
Stabilization of performance on a computer-based version of the multiple task performance battery
p 507 A95-95172
Measurement of taskload in the analysis of aircrew performance
p 507 A95-95174
Subjective workload profile
p 507 A95-95175
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task
p 508 A95-95179
The effect of taskload projection on automation use, performance, and workload
p 523 A95-95181
Cockpit attention and task management: Situation awareness in the tactical fighter
p 508 A95-95186
Cockpit task management errors in a simulated flight operation
p 509 A95-95196
Cockpit task management errors in critical in-flight incidents
p 510 A95-95197
Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175
On producing sequential movements and actions. An integrative review and an update of the generalized motor program
[AD-A288628] p 357 N95-25610
Ride motion simulator (RMS) testing using human occupants
[AD-A292641] p 471 N95-29378
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles
p 537 N95-33139

TASTE
The sense of taste
[HTN-95-92318] p 376 A95-85362

TAXONOMY
Taxonomy and philogeny: Palaeomycology — Abstract only
p 130 A95-63873
Archigenetic hypothesis of the early cellular evolution — Abstract only
p 134 A95-63887
Selective mutations in molecular evolution — Abstract only
p 138 A95-63912
Untangling the evolution of the web
[HTN-95-81497] p 376 A95-85211
A taxonomy of decision problems on the flight deck
p 495 A95-95068
An approach to modeling pilot memory and developing a taxonomy of memory errors
p 496 A95-95075
Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder
[AD-A289725] p 430 N95-28685

TEACHING MACHINES
POINTER: Portable Intelligent Trainer for External Robotics
p 315 N95-23714

TEAMS
Validating the impact of maintenance CRM training
p 500 A95-95118
The development of aircrew coordination behaviors
p 505 A95-95156
A method for specifying observations in team training
p 505 A95-95157
Examination of the processes underlying multilevel efficacy-performance spirals: A flight simulation study
[AD-A282136] p 20 N95-11340
Psychological aspects of risk taking in extreme environments
p 21 N95-11622
Effective team performance under stress and normal conditions: An experimental paradigm, theory and data for studying team decision making in hierarchical teams with distributed expertise
[AD-A284683] p 175 N95-18530

TECHNETIUM
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers
[AD-A279774] p 246 N95-20806

TECHNOLOGIES
JPRS report: Science and technology. Central Eurasia: Life sciences
[JPRS-ULS-93-012] p 31 N95-11744
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558

TECHNOLOGY ASSESSMENT
NASA advanced refrigerator/freezer technology development project overview
[NASA-TM-106309] p 309 N95-23177
Microgravity Sciences Biotechnology Facility assessment
[NASA-CR-196602] p 382 N95-27329

TECHNOLOGY TRANSFER
Planetary stations and Abyssal Benthic Laboratories: An overview of parallel approaches for long-term investigation in extreme environments
p 316 N95-23732

TECHNOLOGY UTILIZATION
Architectural concept of Antarctic station of a new generation
p 24 N95-11604
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface
p 100 N95-14044
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360
Managing technological change in a military treatment facility: A case study of medical diagnostic imaging support (MDIS) system
[AD-A294894] p 533 N95-34573

TEETH
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251

TEFLON (TRADEMARK)
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383

TELECONFERENCING
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
Virtual acoustic displays
p 98 N95-14035

TELEOPERATORS
Neutral buoyancy simulation of space telerobotics operations
p 356 A95-80400
Space robot telemanipulation experiment using predictive display
p 394 A95-82465
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
Light and imaging in extreme environments
p 21 N95-11631
Human Machine Interfaces for Teleoperators and Virtual Environments
[NASA-CP-10071] p 96 N95-14013
Visual interfaces: The human perceiver
p 96 N95-14014
Tactual interfaces: The human perceiver
p 96 N95-14016
Analysis of the human operator subsystems
p 97 N95-14019
Issues in the design of high dexterity, force reflective teleoperators
p 97 N95-14024
Tele-existence and/or cybernetic interface studies in Japan
p 97 N95-14025
Some criteria for teleoperators and virtual environments from experiences with vehicle/operator simulation
p 97 N95-14028
Man-machine interfaces in health care
p 97 N95-14029

Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
Interacting with virtual worlds p 98 N95-14032
Virtual reality at work p 98 N95-14033
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
Virtual acoustic displays p 98 N95-14035
Varieties of virtualization p 98 N95-14036
The Teleprasenz Consortium: Structure and intentions p 99 N95-14039
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
Objective evaluation of situation awareness for dynamic decision makers in teleoperations p 100 N95-14047
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050
Human-machine interface hardware: The next decade p 101 N95-14055
Manual discrimination of force p 102 N95-14057
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
Human factors considerations for remote manipulation p 103 N95-14949
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707
Telepresence control of a dual-arm dexterous robot p 316 N95-23735
Improved operator awareness of teleoperated land vehicle attitude
[AD-A290443] p 471 N95-29359

TELEROBOTICS
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
Determination of the mass properties of a manipulator p 356 A95-80399
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
Human Machine Interfaces for Teleoperators and Virtual Environments
[NASA-CP-10071] p 96 N95-14013
Analysis of the human operator subsystems p 97 N95-14019
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
Man-machine interfaces in health care p 97 N95-14029
Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
Interacting with virtual worlds p 98 N95-14032
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
Virtual acoustic displays p 98 N95-14035
Varieties of virtualization p 98 N95-14036
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059
Human factors considerations for remote manipulation p 103 N95-14949
Development of Advanced Robotic Hand System for space application p 314 N95-23704
POINTER: Portable Intelligent Trainer for External Robotics p 315 N95-23714
Dexterous Orbital Servicing System (DOSS) p 316 N95-23723
Telepresence control of a dual-arm dexterous robot p 316 N95-23735

TEMPERATURE CONTROL
Temperature prediction of space flight experiments by computer thermal analysis
[HTN-95-60849] p 348 A95-78303
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
Investigation of lunar base thermal control system options
[SAE PAPER 932112] p 462 A95-90353
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354
Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563

TEMPERATURE DEPENDENCE
Life on Mars? 1: The chemical environment p 215 A95-66772
Effects of N-acetylcysteine on in vitro diaphragm function are temperature dependent
[HTN-95-50874] p 239 A95-73064
Enhancement of biomembrane functions under phase-separated conditions: A self-organized criticality phenomenon?
[DE94-628489] p 308 N95-23053

TEMPERATURE DISTRIBUTION
Laser induced tissue temperature changes p 432 A95-87816

TEMPERATURE EFFECTS
Changes of endolymphatic pressure in the semicircular canal of pigeon by calorie stimulation
[ISBN 0-08-042485-6] p 11 A95-60679
Metabolic-ventilatory interaction in conscious rats: Effect of hypoxia and ambient temperature
[HTN-95-10095] p 57 A95-61946
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
Right atrial pressure and ANP release during prolonged exercise in a hot envionment
[HTN-95-70075] p 76 A95-62517
Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite --- Abstract only p 106 A95-63757
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides --- Abstract only p 122 A95-63837
Thermal hetercomplex molecules from amino acids and their catalytic capabilities --- Abstract only p 122 A95-63839
Can biological homochirality result from a phase transition? --- Abstract only p 130 A95-63871
Chemistry of potentially prebiological natural products
[HTN-95-10288] p 140 A95-64050
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341
Heat-induced structural alterations in myocardium in relation to changing optical properties
[BTN-94-EIX94421282947] p 348 A95-78958
Ozone toxicity in the rat. 1: Effect of changes in ambient temperature on extrapulmonary physiological parameters
[HTN-95-00445] p 331 A95-81962
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
Carbon Dioxide interactions with irradiance and termperature in potatoes p 479 A95-93790
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
Concentration and temperature effects on ovostatin activity p 144 N95-18997
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924

TEMPERATURE MEASUREMENT
Dynamical thermovision for a study of blood flow regulation and pathologies
[BTN-94-EIX94401361400] p 310 A95-75510
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590

TEMPERATURE MEASURING INSTRUMENTS
Temperature prediction of space flight experiments by computer thermal analysis
[HTN-95-60849] p 348 A95-78303

TEMPLATES
Template-directed chemistry and the origins of the RNA world
[HTN-95-10293] p 141 A95-64055
A hypothesis: Reciprocal information transfer between oligoribonucleotides and oligopeptides in prebiotic molecular evolution
[HTN-95-10294] p 141 A95-64056
Natural scene templates as cueing devices p 520 A95-95082

TEMPORAL DISTRIBUTION
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348

TEMPORAL RESOLUTION
Time resolving detector systems for radiobiological investigations of effects of single heavy ions p 349 A95-81440

TENDONS
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756

TENSILE STRENGTH
The individual integral space habitation: Preliminary sketch design of an individual tensile space habitation, situated within a large-scale centralised tensile lattice structured pneumatic enclosure, in microgravitational space p 23 N95-11601
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614

TENSION
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588

TERMINOLOGY
Reliability and validity assessments of task analyses using Miller's terminology p 508 A95-95187
Pathfinder analysis of Miller's task analysis terminology p 510 A95-95208

TERRAFORMING
Terraforming with nanotechnology
[HTN-95-60319] p 186 A95-65618
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
A primitive cyanobacterium as pioneer microorganism for terraforming Mars p 193 A95-66784
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859
Dynamics of a terraformed Martian biosphere
[HTN-95-60880] p 358 A95-78860
Time, ice and terraforming
[HTN-95-60881] p 358 A95-78861

TERRAIN
Density and morphology of impact craters on tessera terrain, Venus
[HTN-95-20760] p 268 A95-71120
Synthetic terrain imagery for Helmet-Mounted Display p 518 A95-95052
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376

TERRAIN ANALYSIS
Crew performance and communication: Performing a terrain navigation task p 506 A95-95169

TERRESTRIAL PLANETS
Discrete velocity model for an escaping single-component atmosphere
[HTN-95-50283] p 187 A95-65778

TEST CHAMBERS
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959

TEST FACILITIES
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
TEST STANDS
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
TESTES
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension
p 418 A95-88590
TETHERLINES
Artificial gravity: How much, how often, how long?
p 178 N95-16778
TEXTILES
Design and technical support for development of a molded fabric space suit joint
[NASA-CR-197521] p 179 N95-16894
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577
TEXTS
Augmentation of research on cognitive control
[AD-A280956] p 93 N95-14600
TEXTURES
Altitude control: Effects of texture and global optical flow p 497 A95-95080
THALLIUM ISOTOPES
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085
THERAPY
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815
Laser induced tissue temperature changes
p 432 A95-87816
Summary of the Sixteenth Annual Conference on Shock
[AD-A282643] p 32 N95-12542
Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
Measurement and modification of the EEG and related behavior p 99 N95-14038
Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties
p 166 N95-19435
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating
[PB94-206885] p 254 N95-21016
Continuation of BNCT Research Program at NEMC and MIT
[DE94-016228] p 311 N95-22875
Annual report of National Institute of Radiological Sciences
[DE94-792664] p 347 N95-25902
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
THERMAL ANALYSIS
Search for life on Mars: Evaluation of techniques
p 216 A95-66776
Temperature prediction of space flight experiments by computer thermal analysis
[HTN-95-60849] p 348 A95-78303
Principles of constructing an expert system for medical thermal vision
[HTN-95-61164] p 399 A95-86263
THERMAL DEGRADATION
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
THERMAL NEUTRONS
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
THERMAL PROTECTION
Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847
THERMAL RESISTANCE
Thermal resistance of the cheek in cold air
[AD-A286257] p 256 N95-22001
THERMAL SHOCK
USAF cellular mechanism of turnover of the stress induced protein HSP70
[AD-A285618] p 251 N95-19898
Skeletal muscle ischemia and heat shock proteins
[AD-A285364] p 252 N95-20549
THERMAL STABILITY
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
Evidence for organic synthesis in high temperature aqueous media - facts and prognosis
p 421 A95-88735
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
THERMAL STRESSES
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
THERMODYNAMIC CYCLES
Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355
THERMODYNAMIC EFFICIENCY
Using second law analysis to predict the efficiency of ECLSS subsystems
[SAE PAPER 932061] p 466 A95-91640
THERMODYNAMIC EQUILIBRIUM
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
THERMODYNAMIC PROPERTIES
Lightweight cold weather underwear investigation
[AD-A288506] p 400 N95-26736
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
THERMODYNAMICS
Complexity acquisition during prebiotic evolution --- Abstract only p 119 A95-63823
Information, entropy, thermodynamics and the origin of life --- Abstract only p 140 A95-63925
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
THERMOGRAPHY
Use of body surface heat patterns for predicting and evaluating acute lower extremity pain among soldiers
[AD-A292829] p 493 N95-31446
THERMOGRAVIMETRY
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
THERMOMETERS
Use of body surface heat patterns for predicting and evaluating acute lower extremity pain among soldiers
[AD-A292829] p 493 N95-31446
THERMOPHILES
Can hyperthermophilic procaryotes tell us anything about the primitive earth? --- Abstract only p 139 A95-63917
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily --- Abstract only
p 139 A95-63918
THERMOREGULATION
Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903
Thyroid hormone changes in a cold air environment after local cold acclimation
[HTN-95-70072] p 75 A95-62514
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534
Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
Efficiency function: Improvement of classical bioheat approach
[HTN-95-A0636] p 281 A95-74337
Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
Thermoregulation in bees
[HTN-95-00507] p 375 A95-83387
How are control systems controlled?
[HTN-95-42103] p 388 A95-83869
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912
Head cooling in hyperthermia
[HTN-95-93129] p 491 A95-95630
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
THICKNESS
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity
[HTN-95-00437] p 329 A95-81954
The fluid content of the shell tissues of the human body under different experimental conditions
p 437 A95-88564
THIGH
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity
p 90 N95-15138
THIN FILMS
Oxygen sensor development for life support
[BTN-95-EIX95042477107] p 213 A95-68352
THORAX
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
Heart-lung interactions determined by electron beam X-ray CT in laterally recumbent rabbits
[HTN-95-91879] p 334 A95-81981
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907
THORIUM ISOTOPES
Mechanisms for the polymerization of nucleotides by alpha-particle radiolysis in aqueous solution --- Abstract only p 121 A95-63832
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20074
THREE DIMENSIONAL BODIES
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116
Apparent extended body motions in depth
[HTN-94-00400] p 18 A95-60122
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation
p 176 N95-15984
THREE DIMENSIONAL MODELS
Structure and evolution of an RNA enzyme: Ribonuclease P. --- Abstract only p 137 A95-63910
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, stereopsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
High performance computing for medical image interpretation
[AD-A285457] p 210 N95-19537
A 3D stereo data visualization and representation
[AD-A284788] p 261 N95-20064

Psychophysical evaluation of three-dimensional auditory displays
[NASA-CR-198010] p 353 N95-24564
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439

THREE DIMENSIONAL MOTION
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990

THRESHOLDS
Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341

THRESHOLDS (PERCEPTION)
Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904
Effects of Noise on Hearing 5th International Symposium
[AD-A281439] p 33 N95-13177
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918

THYMUS GLAND
Influence of spaceflight on the production of interleukin-3 and interleukin-6 by rat spleen and thymus cells
[HTN-95-00411] p 322 A95-81928

THYROID GLAND
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess
p 418 A95-88592
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421

THYROXINE
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955
Thyroid hormone changes in a cold air environment after local cold acclimation
[HTN-95-70072] p 75 A95-62514
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421

TIME
Time, ice and terraforming
[HTN-95-60881] p 358 A95-78861
Error in time management during fighting mission
p 496 A95-95074
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
The effect of scene content on speed, time, and distance perception p 497 A95-95078

TIME DEPENDENCE
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
Time course of augmentation and depression of hypoxic ventilatory responses at altitude
[HTN-95-A0615] p 276 A95-74316
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
Validation of a noninvasive tension-time index of inspiratory muscles
[HTN-95-91907] p 341 A95-82009
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Learning effects on strategy selection in a dynamic task environment as a function of time pressure
[AD-A285458] p 212 N95-19538
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure
[AD-A285389] p 262 N95-20609

TIME LAG
Competition in the chemostat: Global asymptotic behavior of a model with delayed response in growth
[BTN-94-EIX94341340323] p 27 A95-60859
Space robot telemanipulation experiment using predictive display p 394 A95-82465
Effects of lags on human operator transfer functions with head-coupled systems
[HTN-95-92912] p 469 A95-91850
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059

TIME RESPONSE
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530

TIME SERIES ANALYSIS
Dynamical assessment of physiological systems and states using recurrence plot stategies
[HTN-95-60052] p 72 A95-62160
Use of a speadsheet program for circadian analysis of biological/physiological data
[HTN-95-01219] p 426 A95-91451
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619

TIME TEMPERATURE PARAMETER
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299

TISSUES (BIOLOGY)
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639
Effects of acute lung injury on dynamic tissue properties
[HTN-95-70488] p 227 A95-71510
Running-induced muscle injury and myocellular enzyme release in rats
[HTN-95-50872] p 238 A95-73062
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
Effects of lung volume and surface forces on maximal airway smooth muscle shortening
[HTN-95-A0650] p 285 A95-74351
Structural composition of lung parenchymal strip and mechanical behavior during sinusoidal oscillation
[HTN-95-A0680] p 291 A95-74381
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
Effects of irradiance and spot size on pulsed holmium laser ablation of tissue
[BTN-94-EIX94421282961] p 349 A95-78961
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity
[HTN-95-00437] p 329 A95-81954
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
Peptidase-1 expression in some organs of the salamander Pleurodeles waltl submitted to a 12-day space flight p 415 A95-87524
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815
Laser induced tissue temperature changes
p 432 A95-87816
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817
Numerical models of photothermal tissue welding processes p 433 A95-87818
Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation
p 434 A95-87826
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
Using laser spectroscopy to diagnose disease
p 434 A95-87829
Phantoms for fluorescence spectroscopy
p 435 A95-87830
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence
p 435 A95-87832
The fluid content of the shell tissues of the human body under different experimental conditions
p 437 A95-88564
Biochemistry of the actinides
[GTN-95-09258388-4023] p 424 A95-89501
Ultrashort pulse response in nonlinear dispersive media p 424 A95-90932
Deeper-penetrating waves in lossy media
p 424 A95-90934
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524
Forward and inverse problems in elasticity imaging of soft tissues
[BTN-95-EIX95332424675] p 483 A95-94877
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-196385] p 13 N95-10337
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361
Enhancement of biomembrane functions under phase-separated conditions: A self-organized criticality phenomenon?
[DE94-628489] p 308 N95-23053
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
The preservation of human surrogates for biomechanical studies p 537 N95-33312
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

TITAN
Titan: A planetary laboratory for studying prebiotic evolution --- Abstract only p 183 A95-63753
Organic aerosols in the atmosphere of Titan --- Abstract only p 183 A95-63754
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions --- Abstract only p 109 A95-63768
Ultraviolet photochemistry of cyanoacetylene: Application to Titan --- Abstract only
p 110 A95-63774
Exobiology experiments for Earth-orbital platforms --- Abstract only p 185 A95-63891
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Titan's atmosphere composition: Certainties and speculations p 217 A95-66792
Surface-atmosphere interactions on Titan compared with those on the pre-biotic Earth p 193 A95-66793
The physical nature of Titan's aerosols: Laboratory simulations p 193 A95-66794
Raindrops on Titan p 218 A95-66795
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796

Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature p 473 A95-89217
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727

TOBACCO
Increased dependence on blood glucose in smokers during rest and sustained exercise
[HTN-95-10054] p 46 A95-61905
Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304
Analysis of structural domains required for phytochrome function by in vitro mutagenesis
[DE94-016230] p 307 N95-22884

TOCOPHEROL
Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045

TOKAMAK DEVICES
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205

TOLERANCES (PHYSIOLOGY)
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats
[HTN-95-70477] p 224 A95-71499
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
Effects of Noise on Hearing 5th International Symposium
[AD-A281439] p 33 N95-13177
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045

TOLUENE
Toluene removal from air by Dieffenbachia in a closed environment p 513 A95-93772

TOMATOES
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821

TOMOGRAPHY
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020

TOOTH DISEASES
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275

TOPOGRAPHY
Higher order statistics of planetary gravities and topographies
[HTN-95-20761] p 268 A95-71121

TOPOLOGY
The phylogeny of tRNA molecules and the origin of the genetic code
[HTN-95-10289] p 140 A95-64051

TORQUE
How to spin a planet
[HTN-95-60882] p 358 A95-78862
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
Geometry and gravity influences on strength capability
[NASA-TP-3511] p 180 N95-18189

TORQUE SENSORS (ROBOTICS)
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884

TORSO
Effect of acceleration on the chest wall
[HTN-95-10132] p 66 A95-61983
European EVA space suit: Full scale evaluations and analysis for the lower torso conceptual design
[SAE PAPER 932099] p 460 A95-90343
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost
[SAE PAPER 932100] p 460 A95-90344
Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907

TOTAL QUALITY MANAGEMENT
Ownership and accountability - they're not just buzzwords
[CONGRESS PAPER C428-14-201] p 469 A95-91707
Cellular manufacturing - design and implementation
[CONGRESS PAPER C428-14-202] p 469 A95-91708
Blending people and technology
[CONGRESS PAPER C428-14-203] p 469 A95-91709

TOUCH
Tactile stimulation of the human head for information display
[HTN-95-20756] p 390 A95-86646
Tactual interfaces: The human perceiver p 96 N95-14016
The display of tactile information p 96 N95-14017

TOWERS
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214

TOXIC DISEASES
Extinction of dinosaurs: A possible novel cause p 191 A95-66769

TOXIC HAZARDS
Light remedies for hazardous wastes
[HTN-95-41864] p 320 A95-80590
Ozone toxicity in the rat. 1: Effect of changes in ambient temperature on extrapulmonary physiological parameters
[HTN-95-00445] p 331 A95-81962
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287
Toxicity assessment of liquid propellant XM46 p 387 N95-28319

TOXICITY
Ozone toxicity in the rat. 1: Effect of changes in ambient temperature on extrapulmonary physiological parameters
[HTN-95-00445] p 331 A95-81962
The Biological System of the Elements (BSE) for terrestrial plants (glycophytes)
[GTN-95-00489697-4147] p 429 A95-92252
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378
Development of an in vitro model assay system for the evaluation of the effects of toxic chemicals on human airways
[AD-A285074] p 148 N95-16491
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
In vitro system for studying metabolism of environmental chemicals in human cells
[AD-A284174] p 159 N95-18518
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
Testing of experimental antileishmanial compounds
[AD-A288807] p 348 N95-26193
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
Toxicity assessment of liquid propellant XM46 p 387 N95-28319
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320

TOXICITY AND SAFETY HAZARD
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622

TOXICOLOGY
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188

TOXINS AND ANTITOXINS
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378
Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754

TRACE CONTAMINANTS
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364

TRACE ELEMENTS
Chemical studies on the possible existence of life on Mars p 216 A95-66774
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
Biochemistry of the actinides
[GTN-95-09258388-4023] p 424 A95-89501
Recycling of trace elements required for humans in CELSS p 488 A95-93781
A study of zinc copper and manganese metabolism during military exercises in high temperature environment
[HTN-95-93128] p 491 A95-95629

TRACHEA
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918
Evaportion-induced changes in airway surface liquid on an isolated guinea pig trachea
[HTN-95-10115] p 62 A95-61966
Pulmonary airway area by the two-microphone acoustic reflection method
[HTN-95-70101] p 82 A95-62543
Serial distribution of airway mechanical properties in dogs: Effects of histamine
[HTN-95-A0110] p 197 A95-68893
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
Tracheal mucosal edema in hydrostatic pulmonary edema
[HTN-95-A0619] p 277 A95-74320
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271

Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353

TRACKING (POSITION)
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Effects of lateral tilt on optokinetic nystagmus, afternystagmus, and eye tracking in humans p 384 A95-82603
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators
[HTN-95-21049] p 465 A95-90426
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099

TRAINING ANALYSIS
Determining the decision requirements of complex flight crew tasks p 495 A95-95069
Practice effects on the WOMBAT device p 498 A95-95097
The dynamics of CRM attitude change: Attitude stability p 500 A95-95113
Experiential learning in crew resource management p 500 A95-95114
Self-analysis of LOFT as a strategy for learning CRM in undergraduate flight training p 500 A95-95117
Validating the impact of maintenance CRM training p 500 A95-95118
LOS/LOFT debriefing skills and techniques p 500 A95-95119
Whither CRM? Future directions in Crew Resource Management training in the cockpit and elsewhere p 500 A95-95120
Position-specific behaviors and their impact on crew performance: Implications for training p 501 A95-95121
CRM assessment and instructor knowledge structures p 502 A95-95130
Cross-cultural perspectives in Human Factors training: The lessons from the ICAO Human Factors programme p 502 A95-95131
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139
High-altitude physiology training p 490 A95-95140
Imagery in aviation: Pilot training p 502 A95-95141
The hidden messages or a gestalt view of pilot training p 503 A95-95143
Windshear education in the aviation industry - an overview p 503 A95-95144
The need for a basic psychological curriculum to augment CRM training p 503 A95-95145
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148
Uses of part-task trainers in instrument flight training p 504 A95-95153
A PC-based system to enhance development of scenarios: Ascend (Analysis of Scenario Demands) system p 505 A95-95158
Designing computer-based instructional simulation: Instructional control and part-whole-task training p 505 A95-95160
A training approach for highly automated ATC systems p 506 A95-95165
Air traffic controller resource management p 506 A95-95167
Human factors training for the investigator: The results of a systems approach to training development p 523 A95-95207
Cognitive/self-regulatory aptitudes and instructional methods for complex skill learning
[AD-A280937] p 20 N95-10536
Computer-based psychomotor tests in optimal training track assignment of student naval aviators
[AD-A283720] p 175 N95-18414
Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance
[AD-A293798] p 512 N95-31585
Aerospace physiology AFSC 4M0X1
[AD-A294839] p 532 N95-34564

TRAINING DEVICES
Seven aeronautical pyramides p 503 A95-95147
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093

TRAINING EVALUATION
Questionnairing university students in biology on emergence and evolution of life --- Abstract only p 113 A95-63791
A method for specifying observations in team training p 505 A95-95157
Measurement of flight crew performance for the advanced qualification program p 509 A95-95188
The development of a 'quality' measure of pilot performance p 509 A95-95189
A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190
Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers
[DOT/FAA/AM-94/13] p 19 N95-10144

TRAINING SIMULATORS
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053

TRAJECTORIES
Apparent extended body motions in depth
[HTN-94-00400] p 18 A95-60122
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination
[AD-A284023] p 160 N95-18656
Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436

TRAJECTORY ANALYSIS
Arm trajectory design of a space robot p 394 A95-82466
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751

TRAJECTORY CONTROL
Arm trajectory design of a space robot p 394 A95-82466
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884

TRAJECTORY MEASUREMENT
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators
[HTN-95-21049] p 465 A95-90426

TRAJECTORY PLANNING
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control
[AD-A293607] p 540 N95-34616

TRANQUILIZERS
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951

TRANSCONDUCTANCE
An introduction to gravity perception in plants and fungi -- a multiplicity of mechanisms p 409 A95-87493

TRANSDUCERS
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408

TRANSFER FUNCTIONS
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence p 435 A95-87832
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040

TRANSFER OF TRAINING
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
An incremental transfer study of scene detail and field of view effects on beginning flight training p 504 A95-95152
Scene content, field of view and amount of training in first officer training p 505 A95-95155
Designing computer-based instructional simulation: Instructional control and part-whole-task training p 505 A95-95160
Cognitive/self-regulatory aptitudes and instructional methods for complex skill learning
[AD-A280937] p 20 N95-10536
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356

TRANSFERRING
Comparative transduction mechanisms of hair cells in the bullfrog uticulus. 2: Sensitivity and response dynamics to hair bundle displacement p 381 N95-26732

TRANSFORMATIONS (MATHEMATICS)
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371

TRANSFUSION
Evaluation of dried storage of platelets for transfusion: Physiologic integrity and hemostatic functionality
[AD-A286078] p 253 N95-20850
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion
[AD-A289558] p 385 N95-26680

TRANSIT TIME
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
Effect of antiorthostatic BedRest (BR) on GastroIntestinal Motility (GIM) of normal subjects p 153 N95-16753

TRANSITION METALS
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst --- Abstract only p 110 A95-63777

TRANSLATIONAL MOTION
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation
[AD-A280897] p 146 N95-16151

TRANSMISSION CIRCUITS
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846

TRANSMISSION LOSS
Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949

TRANSMISSION RATE (COMMUNICATIONS)
Space robot telemanipulation experiment using predictive display p 394 A95-82465

TRANSMITTERS
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026

TRANSPIRATION
Approaches to resource recovery in controlled ecological life support systems p 514 A95-93774

TRANSPLANTATION
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight p 415 A95-87523
Cell culture and transplantation of the suprachiasmatic circadian pacemaker
[AD-A280977] p 148 N95-16481
Control of circadian behavior by transplanted suprachiasmatic nuclei
[AD-A285233] p 142 N95-16599

TRANSPORT AIRCRAFT
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
Certification for civil flight decks and the human-computer interface p 544 N95-34784
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785

TRANSPORT PROPERTIES
Electrical model for ion channels in excitable membranes
[BTN-94-EIX94371346929] p 269 A95-73341
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260
Molecular probes of gating and open channel conformational transitions of mechanosensitive ion channels
[AD-A291170] p 453 N95-29927
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924

TRANSPORT THEORY
One-dimensional simulation of aerosol transport and deposition in the human lung
[HTN-95-70494] p 228 A95-71516

TRANSPORTER
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147

TRAVELING WAVES
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861

TREADMILLS
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Comparison of submaximal cycling and treadmill exercise at similar work rates
[AD-A283430] p 33 N95-12593
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661

TREATMENT
Initial development and validation of a multi-modal model for understanding and treating airsickness
p 489 A95-95137

TRITON
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219

TROPISM
Differential flank growth
[ISBN 0-08-042485-6] p 5 A95-60649
Basic assumptions and comparison of three gravitropic response models
[ISBN 0-08-042485-6] p 5 A95-60650

TRUCKS
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145

TRYPTOPHAN
NMR studies on the weak interactions between amino acids and nucleotides — Abstract only
p 126 A95-63853

TUMORS
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating
[PB94-206885] p 254 N95-21016
Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595

TUNGSTEN
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162

TUNNELING
Attentional tunneling and the head-up display
p 522 A95-95176

TUNNELS
Use of the underground for extreme environments
p 24 N95-11610
An overview of underground space as an extreme environment p 24 N95-11611

TURBIDITY
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence
p 435 A95-87832

TURING MACHINES
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell — Abstract only
p 118 A95-63820

TWITCHING
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929

TWO DIMENSIONAL MODELS
A two dimensional artificial reality p 101 N95-14052

TYROSINE
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307

U

UH-1 HELICOPTER
User acceptability and comfort of the communications earplug (CEP) when used in the UH-1 helicopter
[AD-A294047] p 539 N95-34492

ULTRASHORT PULSED LASERS
Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824

ULTRASONIC RADIATION
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds — Abstract only p 110 A95-63776

ULTRASONIC SCANNERS
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound
p 444 A95-90863

ULTRASONIC TESTS
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
Aircraft to medicine
[NASA-TM-109245] p 16 N95-10551
Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714

ULTRASONICS
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513

ULTRAVIOLET RADIATION
Ultraviolet photochemistry of cyanoacetylene: Application to Titan — Abstract only
p 110 A95-63774
Ion irradiation of organic and biological materials — Abstract only p 111 A95-63781
A new perspective for prebiotic formation of achiral, nucleic acid-like molecules — Abstract only
p 113 A95-63795
Chirality, cosmochemistry and life — Abstract only
p 129 A95-63868
Exobiology experiments in Earth orbit: Results and perspectives for future research — Abstract only
p 185 A95-63899
Biological samples in comet simulation experiment (KOSI-11) — Abstract only p 140 A95-63926
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter
[PB95-132767] p 257 N95-22083

ULTRAVIOLET SPECTRA
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727

UNCONSCIOUSNESS
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139

UNDERGROUND STRUCTURES
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
Use of the underground for extreme environments
p 24 N95-11610
An overview of underground space as an extreme environment p 24 N95-11611
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning
[PB95-196382] p 403 N95-28659

USER MANUALS (COMPUTER PROGRAMS)

UNDERWATER ENGINEERING
Planetary stations and Abyssal Benthic Laboratories: An overview of parallel approaches for long-term investigation in extreme environments p 316 N95-23732

UNDERWATER PHYSIOLOGY
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908

UNDERWATER RESEARCH LABORATORIES
Planetary stations and Abyssal Benthic Laboratories: An overview of parallel approaches for long-term investigation in extreme environments p 316 N95-23732

UNITED KINGDOM
HOTT - a CRM course designed for the helicopter pilot p 499 A95-95108

UNITED STATES
Aviation human factors research in U.S. universities: Potential contributions to national needs
[HTN-95-92290] p 397 A95-85334

UNIVERSITIES
Educational opportunities within the NASA specialized center of research and training in gravitational biology
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NASA's Space Life Sciences Training Program
[ISBN 0-08-042485-6] p 12 A95-60689

UNIX (OPERATING SYSTEM)
Personal computer and workstation operating systems tutorial
[AD-A280132] p 264 N95-20041

UNLOADING
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Skeletal muscle responses to unloading in humans
p 150 N95-16743

UPGRADING
Captain upgrade CRM training: A new focus for enhanced flight operations p 501 A95-95122

URACIL
Urazole is a potential precursor to uracil — Abstract only p 107 A95-63762
Prebiotic synthesis of hydroxymethyluracil and some t-RNA bases — Abstract only p 108 A95-63763
Recent investigations on a primitive tRNA model — Abstract only p 118 A95-63818

URANIUM
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666

URANIUM 235
Uranium deposits and the origin of life — Abstract only p 131 A95-63874

URANIUM 238
Uranium deposits and the origin of life — Abstract only p 131 A95-63874

URANUS (PLANET)
Isotopic ratios in planetary atmospheres
p 218 A95-66806

URBAN PLANNING
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600

UREAS
Urazole is a potential precursor to uracil — Abstract only p 107 A95-63762

URIDYLIC ACID
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261

URINE
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828

UROLOGY
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134

USER MANUALS (COMPUTER PROGRAMS)
Night Vision Goggles (NVG) software user's guide, version 5.1
[AD-A284563] p 179 N95-18029
Anaerobic digestion analysis model: User's manual
[DE94-011858] p 246 N95-20471
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683

USER REQUIREMENTS
Human-machine interface hardware: The next decade
p 101 N95-14055
Use of the user action notation at the Naval Research Laboratory Human-Computer Interaction Laboratory
[AD-A281680] p 104 N95-15449
Enhanced visual user interface support for domain-oriented application composition systems
[AD-A289337] p 400 N95-26737

V

VACCINES
World Reference Center for Arboviruses
[AD-A281635] p 91 N95-15445
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754
VACUUM
Exobiology experiments in Earth orbit: Results and perspectives for future research --- Abstract only
p 185 A95-63899
VACUUM CHAMBERS
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139
VALIDITY
Pilot-candidate selection method: Sources of validity
[HTN-95-A0502] p 259 A95-72573
Meta-analysis of aircraft pilot selection procedures
p 498 A95-95100
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
Reliability and validity assessments of task analyses using Miller's terminology p 508 A95-95187
VALSALVA EXERCISE
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
VALVES
Inflatable life vest
[AD-D017273] p 471 N95-29600
VAPOR BARRIER CLOTHING
Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847
VAPOR DEPOSITION
Probing the structure of cometary ice
p 419 A95-88727
VAPOR PHASES
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
VARIABILITY
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses
p 89 N95-15128
Individual variability in the transmission of vertical vibration from seat to head
[ISVR-TR-236] p 104 N95-15850
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140
VASOCONSTRICTION
Developmental differences in vascular responses to hypoxia in lungs of rabbits
[HTN-95-A0104] p 196 A95-68887
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481
TNF potentiates PAF-induced pulmonary vasoconstriction in the rat: Role of neutrophils and thromboxane A(sub 2)
[HTN-95-70497] p 229 A95-71519
Effects of maximal exercise and venous occlusion on fibrinolytic activity in physically active and inactive men
[HTN-95-50859] p 235 A95-73049
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs
[HTN-95-A0597] p 272 A95-74298
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats
[HTN-95-A0688] p 293 A95-75257
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold
[HTN-95-A0715] p 300 A95-75284
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
Carbon monoxide does not modulate pulmonary vascular reactivity in isolated rat lungs
[AD-A283190] p 143 N95-17714
VASOCONSTRICTOR DRUGS
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292
N(sup G)-nitro-L-arginine and phenylephrine have similar effects on the vascular waterfall in the canine hindlimb
[HTN-95-91886] p 336 A95-81988
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
Carbon monoxide does not modulate pulmonary vascular reactivity in isolated rat lungs
[AD-A283190] p 143 N95-17714
VASODILATION
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
Contribution of postassium to exercise-induced vasodilation in humans
[HTN-95-70482] p 226 A95-71504
Maximal skin blood flow is decreased in elderly men
[HTN-95-A0586] p 269 A95-74287
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359
Neutral endopeptidase modulates substance P-induced vasodilation in vivo
[HTN-95-91897] p 339 A95-81999
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
Arterial and arteriolar contributions to skeletal muscle functional hyperemia in spontaneously hypertensive rats
[HTN-95-21565] p 366 A95-83350
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
VEGA PROJECT
Polymers and other macromolecules in comets -- A possible relationship to the origins of life --- Abstract only p 182 A95-63751
VEGETABLES
The effects of freezing on selected European and Asian foods prepared for International Space Missions
p 396 A95-82610
VEGETATION GROWTH
Transduction of the gravity stimulus in the root statocyte
[ISBN 0-08-042485-6] p 2 A95-60634
Oscillations of axial plant organs
[ISBN 0-08-042485-6] p 5 A95-60651
Effect of gravity on plant growth and cell wall properties p 363 A95-82613
Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions
p 408 A95-87491
Root growth and development in response to CO2 enrichment
[NASA-CR-196154] p 142 N95-16429
Physiological and genetic characterization of plant growth and gravitropism in LED light sources
p 143 N95-18173
Plant metabolism and cell wall formation in space (microgravity) and on Earth
[NASA-CR-197618] p 306 N95-22801
Structures and functions of oligosaccharins
[DE95-003140] p 345 N95-24225
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375
Effects of gravity and light on plant growth and performance in normal and reduced gravity
p 529 N95-32901
VEINS
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515
VELOCITY
The effect of scene content on speed, time, and distance perception p 497 A95-95078
VELOCITY MEASUREMENT
Two-fiber laser Doppler velocimetry in blood: Monte Carlo simulation in three dimensions
[BTN-94-EIX94421282949] p 348 A95-78959
New advances in physiological measurements during high-G: Technology p 532 N95-34057
VENTILATION
Influence of lung volume dependence of upper airway resistance during continuous negative airway pressure
[HTN-95-A0138] p 204 A95-68921
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
Comparison of work of breathing during mechanical ventilation using assist control and intermittent mandatory ventilation
[AD-A285516] p 157 N95-17174
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning
[PB95-196382] p 403 N95-28659
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation
p 471 N95-29624
VENTILATORS
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation
p 471 N95-29624
VENUS (PLANET)
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320
Isotopic ratios in planetary atmospheres
p 218 A95-66806
Higher order statistics of planetary gravities and topographies
[HTN-95-20761] p 268 A95-71121
How to spin a planet
[HTN-95-60882] p 358 A95-78862
How to move a planet
[HTN-95-60883] p 358 A95-78863
VENUS ATMOSPHERE
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320
The origin and early evolution of the atmospheres of the inner planets --- Abstract only p 182 A95-63752
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162
VENUS SURFACE
Density and morphology of impact craters on tessera terrain, Venus
[HTN-95-20760] p 268 A95-71120
VERBAL COMMUNICATION
Analysis of communication in the standard versus automated aircraft p 501 A95-95127
A database for analyzing sequential behavioral data and their associated cognitive models
[AD-A280061] p 260 N95-19887
Codes of processing and multiple resources: Model and methodology
[AD-A289583] p 391 N95-26691

VERTEBRAE
Characterization of microgravity effects on bone structure and strength using fractal analysis
p 531 N95-32419
VERTEBRATES
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861
Neuronal types in the chicken's statoacoustic ganglion
p 44 N95-15116
How the brain works
[AD-A279138] p 263 N95-21968
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth
[AD-A288345] p 379 N95-26573
VERTICAL DISTRIBUTION
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
VERTICAL MOTION
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
VESTIBULAR NYSTAGMUS
Comparison of space adaptation and vestibular compensation p 436 A95-88561
Validation of the otolith asymmetry hypothesis as a cause of space motion sickness p 438 A95-88572
Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
VESTIBULAR TESTS
An observation of vestibular spinal relationship
p 438 A95-88569
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v
p 416 A95-88570
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Will man need the vestibular system in generations to come? p 86 N95-15092
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
Characterization of the fast-phase component of the vestibulo-ocular response
[AD-A281830] p 147 N95-16360
Role of somatosensory and vestibular cues in attenuating visually induced human postural sway
[NASA-CR-197845] p 393 N95-27697
VESTIBULES
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v
p 416 A95-88570
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G
[AGARD-AR-317] p 103 N95-14263
Will man need the vestibular system in generations to come? p 86 N95-15092
Structure of avian tectorial, otolithic and cupular membranes p 44 N95-15117
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
Relation of motion sickness susceptibility to vestibular and behavioral measures of orientation
[NASA-CR-198048] p 352 N95-24410
Comparative Transduction Mechanisms of Vestibular Otolith Hair Cells
[NASA-CR-197980] p 379 N95-26727
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity
p 380 N95-26729
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 2: Sensitivity and response dynamics to hair bundle displacement p 381 N95-26732
A model of the neural basis of the rat's sense of direction
[AD-A289678] p 381 N95-26761
Role of somatosensory and vestibular cues in attenuating visually induced human postural sway
[NASA-CR-197845] p 393 N95-27697
Physiology and physiopathology of equilibration
[PB95-208328] p 491 N95-30494
The role of the vestibular system in manual target localization p 533 N95-32422
VESTS
Inflatable life vest
[AD-D017273] p 471 N95-29600
VIABILITY
Biochemical constraints for survival under martian conditions p 192 A95-66778
Studies in the search for life on Mars
p 192 A95-66779
DNA stability and survival of Bacillus subtilis spores in extreme dryness p 423 A95-88748
VIBRATION
Individual variability in the transmission of vertical vibration from seat to head
[ISVR-TR-236] p 104 N95-15850
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147
Crosshift vibrometry: Biomarker for ergonomic stress
[AD-A284337] p 180 N95-18385
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360
VIBRATION DAMPING
A sliding mode control for two-link flexible manipulator
p 394 A95-82463
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
VIBRATION EFFECTS
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147
Lockheed Stabilizer System for space exercise equipment
[NASA-CR-197657] p 471 N95-29180
VIBRATION MEASUREMENT
Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484
Crosshift vibrometry: Biomarker for ergonomic stress
[AD-A284337] p 180 N95-18385
VIBRATION PERCEPTION
The effects of target vibration on contrast sensitivity
p 497 A95-95081
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145
VIBRATION TESTS
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484
VIBRATIONAL SPECTRA
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252
VIDEO COMMUNICATION
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
VIDEO DATA
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
Machine vision monitoring of plant health
p 478 A95-93784
VIDEO EQUIPMENT
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] p 312 N95-22579
VIDEO SIGNALS
Long-range eye tracking: A feasibility study
[DE95-008587] p 393 N95-28176
VIEWING
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2
[DE94-014513] p 104 N95-15309
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020
VIKING MARS PROGRAM
The origin and early evolution of ISSOL — Abstract only p 106 A95-63745
VIRTUAL REALITY
Simulation fidelity of a virtual environment display
[HTN-95-B0112] p 398 A95-85928
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
Eyestrain in virtual environments p 490 A95-95162
Human Machine Interfaces for Teleoperators and Virtual Environments
[NASA-CP-10071] p 96 N95-14013
Visual interfaces: The human perceiver
p 96 N95-14014
Tactual interfaces: The human perceiver
p 96 N95-14016
The display of tactile information p 96 N95-14017
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
Some criteria for teleoperators and virtual environments from experiences with vehicle/operator simulation
p 97 N95-14028
Man-machine interfaces in health care
p 97 N95-14029
Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
Creating better virtual worlds p 98 N95-14031
Interacting with virtual worlds p 98 N95-14032
Virtual reality at work p 98 N95-14033
The Ames Virtual Environment Workstation: Implementation issues and requirements
p 98 N95-14034
Virtual acoustic displays p 98 N95-14035
Varieties of virtualization p 98 N95-14036
The Teleprasenz Consortium: Structure and intentions
p 99 N95-14039
A high performance two degree-of-freedom kinesthetic interface p 99 N95-14042
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
A two dimensional artificial reality p 101 N95-14052
Human-machine interface hardware: The next decade
p 101 N95-14055
Manual discrimination of force p 102 N95-14057
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
Destabilizing effects of visual environment motions simulating eye movements or head movements
p 103 N95-14061
Simulation of arthroscopic surgery using MRI data
p 145 N95-15975
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation
p 176 N95-15984
The assessment of virtual reality for human anatomy instruction p 160 N95-18971
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
Visual tracking of self-occluding articulated objects
[AD-A292894] p 511 N95-31383
Design and integration issues of visually-coupled evaluation
[AD-A293521] p 525 N95-31538
The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610
VIRUSES
Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world — Abstract only p 120 A95-63830
The origin of genetic information — Abstract only
p 123 A95-63843
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins — Abstract only p 125 A95-63852
Studies in the search for life on Mars
p 192 A95-66779
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
World Reference Center for Arboviruses
[AD-A281635] p 91 N95-15445

VISCOSITY
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
VISCOUS DAMPING
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
VISIBILITY
Visual tracking of self-occluding articulated objects
[AD-A292894] p 511 N95-31383
VISIBLE SPECTRUM
Spectral quality may be used to alter plant disease development in CELSS p 482 A95-93811
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361
VISION
Effects of lateral tilt on optokinetic nystagmus, afternystagmus, and eye tracking in humans
p 384 A95-82603
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 388 A95-84375
The unique visual system of the mantis shrimp
[HTN-95-92323] p 376 A95-85367
Vision, learning, and development
[TR-492-REV] p 95 N95-15787
Subset-selectivity and distractor matching in visual conjunction search
[AD-A285137] p 170 N95-16615
Viewer-centered object recognition in monkeys
[AD-A279876] p 245 N95-20185
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
Reference frames in vision
[AD-A290117] p 456 N95-29422
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach
[AD-A293742] p 493 N95-31570
VISUAL ACUITY
Excimer laser photorefractive keratectomy (PRK) for myopia - present status: Aerospace considerations
[HTN-95-12214] p 429 A95-91914
Effects of lighting and task parameters on visual acuity and performance
[PB94-179231] p 19 N95-10236
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
Developing Guided Search 3.0. The next generation of a model visual search
[AD-A283956] p 93 N95-14369
The effects of target orientation on the dynamic contrast sensitivity function
[AD-A281855] p 169 N95-16298
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442
The spatiotemporal characteristics of visual motion priming
[AD-A284782] p 261 N95-20062
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140
VISUAL AIDS
Seven aeronautical pyramides p 503 A95-95147
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917
VISUAL CONTROL
Learning Hand/Eye coordination by an active observer. part 1: Organizing centers
[AD-A289502] p 391 N95-26843
VISUAL DISCRIMINATION
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation
p 176 N95-15984
Training visual pattern recognition: Using worked examples to aid schema acquisition
[AD-A281859] p 169 N95-16299
VISUAL FIELDS
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348
Occupant reach and mobility apparatus
[AD-D016253] p 267 N95-22099
Visual perception of elevation
[AD-A284938] p 263 N95-22472
VISUAL FLIGHT
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
VISUAL PERCEPTION
Integration of local features as a function of global goodness and spacing
[HTN-94-00404] p 19 A95-60124
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
Constructing visual perception
[HTN-95-81495] p 375 A95-85209
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
Attentional limitations with Head-Up Displays
p 494 A95-95046
The effects of target vibration on contrast sensitivity
p 497 A95-95081
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Visual psychophysics of egomotion
[AD-A282547] p 35 N95-12495
Visual interfaces: The human perceiver
p 96 N95-14014
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
Developing Guided Search 3.0. The next generation of a model visual search
[AD-A283956] p 93 N95-14369
Presentations of shape in object recognition and long-term visual memory
[AD-A281336] p 168 N95-16010
The effects of target orientation on the dynamic contrast sensitivity function
[AD-A281855] p 169 N95-16298
Mental rotation with and without a concurrent task: Moderating effects of visuospatial ability
[AD-A281866] p 169 N95-16301
Visual neural development and chromatic aberration
[AD-A285064] p 169 N95-16368
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
Subset-selectivity and distractor matching in visual conjunction search
[AD-A285137] p 170 N95-16615
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
Dynamics of the G-excess illusion
p 155 N95-16771
Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817
Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822
A framework for the analysis of cognitive tasks
[AD-A285345] p 172 N95-16835
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875
The synthesis of vision and action
[AD-A285453] p 174 N95-18094
Color vision issues in modern military aviation or the search for the Abominable Coneman
p 167 N95-19441
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
Intermediate levels of visual processing
[AD-A284922] p 261 N95-19998
The spatiotemporal characteristics of visual motion priming
[AD-A284782] p 261 N95-20062
A 3D stereo data visualization and representation
[AD-A284788] p 261 N95-20064
Viewer-centered object recognition in monkeys
[AD-A279876] p 245 N95-20185
Space constancy on video display terminals
[AD-A280015] p 261 N95-20314
Perception and control of locomotion
[AD-A285605] p 262 N95-21192
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
Visual perception of elevation
[AD-A284938] p 263 N95-22472
Magnetic source imaging of visually evoked and oscillatory electrical activity of the human brain
[PB95-127205] p 258 N95-22476
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041
A mathematical framework for an improved search model
[AD-A288858] p 400 N95-26552
Practical color vision tests for air traffic control applicants: En route center and terminal facilities
[DOT/FAA/AM-95/13] p 393 N95-27323
Intermediate levels of visual processing
[AD-A291569] p 455 N95-28937
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
Reference frames in vision
[AD-A290117] p 456 N95-29422
Visual and auditory symbols: A literature review
[AD-A290222] p 472 N95-29908
Design and integration issues of visually-coupled evaluation
[AD-A293521] p 525 N95-31538
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376
VISUAL PHOTOMETRY
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274
VISUAL PIGMENTS
Conformation of membrane proteins: Bacteriorhodopsin
[AD-A281282] p 30 N95-13373
VISUAL SIGNALS
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214
Space constancy on video display terminals
[AD-A280015] p 261 N95-20314
Analysis of group performance in visual signal detection
[AD-A289561] p 391 N95-26683
Characterization and redesign of the AFIT multielectrode array
[AD-A289295] p 386 N95-27039
Computer models of retinal function
[AD-A290156] p 449 N95-29022
Reference frames in vision
[AD-A290117] p 456 N95-29422
VISUAL STIMULI
Unusual visual stimulation in dynamic balance conditions: Proposal for a space motion sickness test
[ISBN 0-08-042485-6] p 15 A95-60680
Ethological experiments on human orientation behavior within a three-dimensional space-in microgravity
[ISBN-0-08-042485-6] p 15 A95-60684
Psychophysical foundations of a model of amplified night vision in target detection tasks
[HTN-95-B0066] p 389 A95-85882
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans
p 438 A95-88571
Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904
The integration of visual simulation in beginning flight training p 504 A95-95154

Scene content, field of view and amount of training in first officer training p 505 A95-95155
Functions of external cues in prospective memory [DOT/FAA/AM-95/9] p 313 N95-24088
Role of somatosensory and vestibular cues in attenuating visually induced human postural sway [NASA-CR-197845] p 393 N95-27697

VISUAL TASKS
Stereokinetic effect and its relation to the kinetic depth effect [HTN-94-00393] p 18 A95-60116
Human performance in actuating switches during tracking [HTN-95-A0503] p 259 A95-72574
Experimental study of electronically based instrument approach plates [HTN-95-A0504] p 260 A95-72575
Psychophysical foundations of a model of amplified night vision in target detection tasks [HTN-95-B0066] p 389 A95-85882
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans p 438 A95-88571
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
Graded change of forces on the otoliths as a tool to investigate equilibrium in man p 439 A95-88574
Difficultie of target motion perception in space p 439 A95-88576
Head perturbations during walking while viewing a head-fixed target [HTN-95-01208] p 466 A95-91440
Effects of lags on human operator transfer functions with head-coupled systems [HTN-95-92912] p 469 A95-91850
Effect of alcohol on the threshold for detecting angular acceleration [HTN-95-12204] p 447 A95-91904
A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia [HTN-95-12206] p 447 A95-91906
A comparison of performance with visual and auditory displays in a simulated target localization task p 517 A95-95042
Attentional limitations with Head-Up Displays p 494 A95-95046
Tracking the visual scan of air traffic controllers p 522 A95-95166
Effects of lighting and task parameters on visual acuity and performance [PB94-179231] p 19 N95-10236
Developing Guided Search 3.0. The next generation of a model visual search [AD-A283956] p 93 N95-14369
The electrocortical correlates of fluctuating states of attention during vigilance tasks [NASA-CR-197051] p 93 N95-14864
Target acquisition: Human observer performance studies and TARGAC model validation [AD-A284436] p 95 N95-15816
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring [AD-A280900] p 146 N95-16152
Training visual pattern recognition: Using worked examples to aid schema acquisition [AD-A281859] p 169 N95-16299
Dark focus of accommodation as dependent and independent variables in visual display technology p 154 N95-16758
Photoreceptors regulating circadian behavior: A mouse model [AD-A285157] p 157 N95-16847
Analysis of group performance in visual signal detection [AD-A289561] p 391 N95-26683
Subjective workload assessment in a spatial memory task [AD-A289491] p 391 N95-26825

VITAMINS
Copper metabolism in rats fed ascorbic acid or restricted amounts of copper [PB94-191343] p 28 N95-11902

VOCAL CORDS
Effect of hypercapnia on laryngeal airway resistance in normal adult humans [HTN-95-70473] p 223 A95-71495

VOLATILITY
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species [AD-A285055] p 252 N95-20485

VOLUME
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume [HTN-95-00420] p 324 A95-81937
Estimation of the pulmonary capillary transport function in isolated rabbit lungs [HTN-95-00434] p 328 A95-81951
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity [HTN-95-00437] p 329 A95-81954

VOMITING
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight [ISBN-0-08-042485-6] p 11 A95-60685
Effects of anti-emetics on motion sickness of rats p 416 A95-88575

VOYAGER PROJECT
Organic aerosols in the atmosphere of Titan --- Abstract only p 183 A95-63754

W

WAKEFULNESS
Influence of extended wakefulness on automatic and nonautomatic processing [HTN-95-20754] p 390 A95-86644
Alertness management in two-person long-haul flight operations p 170 N95-16760

WALKING
Ambulatory foot contact monitor to estimate metabolic cost of human locomotion [HTN-95-10085] p 54 A95-61936
Exercise effect on bone remineralization after experimental osteoporosis of tail suspended rat p 362 A95-82607
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait [HTN-95-21598] p 374 A95-83383
Head perturbations during walking while viewing a head-fixed target [HTN-95-01208] p 466 A95-91440
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
Energy expenditure, physical work load and postural control during walking on a moving platform [AD-A285343] p 178 N95-16821

WALKING MACHINES
Integral habitat transport system [NASA-CR-197156] p 38 N95-12629
Force based motion control of a walking machine [PB95-129672] p 264 N95-20276

WALLS
Structural studies of complex carbohydrates of plant cell walls [DE95-003099] p 310 N95-24075
Structures and functions of oligosaccharins [DE95-003140] p 345 N95-24225

WARFARE
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach [AD-A290916] p 454 N95-30083

WARNING SYSTEMS
Influence of warning label signal words on perceived hazard level [HTN-95-B0069] p 390 A95-85885
Tactile stimulation of the human head for information display [HTN-95-20756] p 390 A95-86646
MPLM fire detection and suppression: architecture and analysis [SAE PAPER 932104] p 461 A95-90348
Functional requirements analysis and human machine interface specifications for handheld metal detector wands [DE95-009845] p 536 N95-32535

WASHERS (CLEANERS)
Single phase space laundry development [SAE PAPER 932092] p 460 A95-90339

WASHING
Single phase space laundry development [SAE PAPER 932092] p 460 A95-90339

WASTE DISPOSAL
Waste disposal options for refractory tearout [HTN-95-81618] p 458 A95-87666
Marshall Space Flight Center solid waste characterization and recycling improvement study [NASA-CR-196594] p 402 N95-27164

WASTE ENERGY UTILIZATION
High-temperature waste heat driven cooling using sorption media [SAE PAPER 932113] p 462 A95-90354

WASTE HEAT
High-temperature waste heat driven cooling using sorption media [SAE PAPER 932113] p 462 A95-90354
Thermal control systems for low-temperature heat rejection on a lunar base [NASA-CR-197486] p 176 N95-16418

WASTE TREATMENT
Light remedies for hazardous wastes [HTN-95-41864] p 320 A95-80590
Biological and biotechnological waste management in materials processing [HTN-95-20610] p 397 A95-84791
Waste disposal options for refractory tearout [HTN-95-81618] p 458 A95-87666
Biological life support for manned missions by ESA p 513 A95-93768
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1 [NASA-TM-108836] p 13 N95-10826
Life support systems analysis and technical trades for a lunar outpost [NASA-TM-109927] p 314 N95-23194

WASTE UTILIZATION
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510
Simulation of mass fluxes in the MELISSA microorganism based ecosystem [SAE PAPER 932125] p 462 A95-90366
MELISSA: Current status and future development program [SAE PAPER 932126] p 463 A95-90367
Functions effectiveness model for design of integrated regenerative life support system [SAE PAPER 932066] p 467 A95-91644
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992 [ISBN 0-08-042488-0] p 475 A95-93759

WASTE WATER
Performance of high-recovery recycling reverse osmosis with wash water [SAE PAPER 932073] p 468 A95-91651
Electrodialysis simulation to achieve optimum current density [SAE PAPER 932074] p 468 A95-91652
A physico/chemical system for hygiene waste water recovery [SAE PAPER 932076] p 468 A95-91654
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1 [NASA-TM-108836] p 13 N95-10826
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618
Resource recovery and epidemiology of anaerobic wastewater treatment process in a controlled ecological life support system [NASA-CR-197930] p 314 N95-23474
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment [NASA-CR-199125] p 536 N95-32688

WATER
Bio-regenerative life support systems for human planetary missions --- Abstract only p 145 A95-63898
Life on Mars? 2: Physical restrictions p 215 A95-66773
Experimental investigation of picosecond optical breakdown in water and biological tissues p 433 A95-87820
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system [SAE PAPER 932062] p 466 A95-91641
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission [NASA-TP-3489] p 32 N95-11887
Skin blood flow and bioelectrical impedance [AD-A285475] p 149 N95-16619
Improved filtration materials and modeling [AD-A284684] p 180 N95-18531
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems [DE95-000859] p 247 N95-21366
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA [AD-A286269] p 257 N95-22003

WATER BALANCE
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation [HTN-95-10087] p 55 A95-61938

Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
A buoyancy-driven squeeze-film model of intrapleural fluid dynamics: Basic concepts
[HTN-95-A0733] p 304 A95-75302
Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
[HTN-95-91919] p 344 A95-82021
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595

WATER CONSUMPTION
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702
Root growth and development in response to CO2 enrichment
[NASA-CR-196154] p 142 N95-16429

WATER DEPRIVATION
Short-lived dissipative nanostructures in solids: Did phase-ordered phonons contribute to biopolymer evolution?
[HTN-95-41643] p 358 A95-78738

WATER FLOW
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399

WATER IMMERSION
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
Segmental bioelectrical impedance analysis: Theory and application of a new technique
[HTN-95-A0594] p 271 A95-74295
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Sweating response to simulated weightlessness p 441 A95-88585
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310

WATER LOSS
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086

WATER POLLUTION
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4198] p 430 A95-92259

WATER QUALITY
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340

WATER RECLAMATION
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system p 396 A95-82508
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688

WATER TEMPERATURE
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370

WATER TREATMENT
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
Performance of high-recovery recycling reverse osmosis with wash water
[SAE PAPER 932073] p 468 A95-91651
Electrodialysis simulation to achieve optimum current density
[SAE PAPER 932074] p 468 A95-91652
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4198] p 430 A95-92259
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194
Resource recovery and epidemiology of anaerobic wastewater treatment process in a controlled ecological life support system
[NASA-CR-197930] p 314 N95-23474
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688

WATER VAPOR
Probing the structure of cometary ice p 419 A95-88727
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224

WAVE ATTENUATION
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence p 435 A95-87832
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889

WAVEFORMS
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360

WAVEGUIDES
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203

WAVELENGTHS
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952

WAVELET ANALYSIS
Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917

WEAR RESISTANCE
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099

WEAVING
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345

WEIGHT (MASS)
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077

WEIGHT REDUCTION
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238

WEIGHTLESSNESS
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
Ultrastructural and cellular mechanisms in myocardial deconditioning in weightlessness
[ISBN 1-55938-409-3] p 1 A95-60153
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
Inhomogeneity of pulmonary perfusion during sustained microgravity on SLS-1
[HTN-95-10102] p 59 A95-61953
Phototaxis in the flagellate, Euglena gracilis, under the effect of microgravity
[HTN-95-80092] p 105 A95-63478
Fungi in space - Literature survey on fungi used for space research
[HTN-95-80093] p 105 A95-63479
The effects of prolonged weightlessness and reduced gravity environments on human survival
[HTN-95-90827] p 250 A95-71342
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
Postural control of fish related to gravity input p 361 A95-82605
Exercise effect on bone remineralization after experimental osteoporosis of tail suspended rat p 362 A95-82607
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619

Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994 [ISBN 0-08-042649-2] p 407 A95-87485
A theory of gravikinesis in Paramecium p 408 A95-87487
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles p 409 A95-87492
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
Gravimorphogenesis and ultrastructure of the fungus Flammulina velutipes grown in space, on clinostats and under hyper-G conditions p 412 A95-87512
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
AstroNewt: Early development of newt in space p 414 A95-87521
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
Comparison of space adaptation and vestibular compensation p 436 A95-88561
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment p 437 A95-88562
Duration versus response to space-flight exposure p 437 A95-88563
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
Volume regulation in humans during weightlessness p 438 A95-88568
Cardiovascular system and its regulation in space flights p 439 A95-88577
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
Lymphocyte experiment on SLS-1 p 442 A95-88596
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863
Effects of short-term spaceflight and recombinant human growth hormone (rhGH) on bone growth in young rats [HTN-95-01214] p 426 A95-91446
Spaceflight results in depressed cancellous bone formation in rat humeri [HTN-95-01215] p 426 A95-91447
Blood volume and erythropoiesis in the rat during spaceflight [HTN-95-92913] p 428 A95-91851
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest [HTN-95-12199] p 446 A95-91899
Experiments on mice during the Earth orbital flight in China [HTN-95-93125] p 486 A95-95626
Spaceflight and immune responses of Rhesus monkeys [NASA-CR-196846] p 29 N95-12941
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1) p 84 N95-14224
Proposal for an astronaut mass measurement device for the Space Shuttle [NASA-CR-197196] p 103 N95-14854
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight p 42 N95-15094
Changing gravity level and the development of animals p 43 N95-15101
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
Postural control of fish related to gravity input p 44 N95-15118
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Effects of weightlessness on human baroreflex function p 154 N95-16770
Artificial gravity: How much, how often, how long? p 178 N95-16778
Geometry and gravity influences on strength capability [NASA-TP-3511] p 180 N95-18189
Self-generating oscillating pressure exercise device [NASA-CASE-ARC-12000-1] p 314 N95-23264
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261 [NASA-CR-188368] p 449 N95-28875

WEIGHTLESSNESS SIMULATION

Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content [ISBN 0-08-042485-6] p 10 A95-60675
Influence of gravity on the circadian timing system [ISBN 0-08-042485-6] p 11 A95-60682
Acute effects of hindlimb unweighting on satellite cells of growing skeletal muscle [HTN-95-10059] p 48 A95-61910
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading [HTN-95-A0113] p 198 A95-68896
Changes in potassium contractures due to simulated weightlessness in rat soleus muscle [HTN-95-50866] p 237 A95-73056
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure [HTN-95-50877] p 239 A95-73067
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats [HTN-95-50887] p 242 A95-73077
Altered thermoregulatory responses after 15 days of head-down tilt [HTN-95-A0661] p 287 A95-74362
Catecholaminergic effects of prolonged head-down bed rests [HTN-95-00436] p 328 A95-81953
Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats [HTN-95-91917] p 344 A95-82019
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994 [ISBN 0-08-042649-2] p 407 A95-87485
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids p 410 A95-87501
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992 [HTN-95-42627] p 436 A95-88558
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
An observation of vestibular spinal relationship p 438 A95-88569
Validation of the otolith asymmetry hypothesis as a cause of space motion sickness p 438 A95-88572
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Sweating response to simulated weightlessness p 441 A95-88585
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat p 418 A95-88593
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats p 418 A95-88594
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
General purpose free floating platform for KC-135 flight experimentation [SAE PAPER 941452] p 459 A95-89094
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure [HTN-95-92911] p 445 A95-91849
Long term stability of somatosensory evoked potentials and the effects of microgravity [HTN-95-12205] p 447 A95-91905
'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats [HTN-95-93122] p 486 A95-95623
A study on changes of glycosaminoglycan and minerals in calvariae and vertebrae in rats after exposure to simulated weightlessness [HTN-95-93123] p 486 A95-95624
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats [HTN-95-93124] p 486 A95-95625
A metabolic cage for the hindlimb suspended rat [NASA-TM-108830] p 13 N95-10828
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission [NASA-TP-3489] p 32 N95-11887
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099

WHARVES

Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach [AD-A290916] p 454 N95-30083

WHEAT

Lipid peroxidation of plants under microgravity and its simulation [ISBN 0-08-042485-6] p 4 A95-60643
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels p 361 A95-82587
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590
Physical mechanisms of mutation induced by low energy ion implantation [GTN-95-0168583X94006091-57] p 363 A95-83090
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
Preparations for CELSS flight experiments with wheat p 512 A95-93762
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792
Integrated developmental model of life-support capabilities in wheat [NASA-CR-196428] p 14 N95-11218
Methodologies for processing plant material into acceptable food on a small scale [NASA-CR-177647] p 38 N95-12132

WHEELCHAIRS

Finite element analysis of a composite wheelchair wheel design [NASA-TM-108463] p 22 N95-11195
On the development of an expert system for wheelchair selection p 214 N95-19627

WHEELS

Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling [HTN-94-00359] p 18 A95-60105
Finite element analysis of a composite wheelchair wheel design [NASA-TM-108463] p 22 N95-11195

WIND SHEAR

Windshear education in the aviation industry - an overview p 503 A95-95144
Human piloting factors in the design of control laws for precision landing p 537 N95-33605

WINDOWS (COMPUTER PROGRAMS)

Personal computer and workstation operating systems tutorial [AD-A280132] p 264 N95-20041

WINTER
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
WOLVES
The early evolution of the domestic dog
[HTN-95-92321] p 376 A95-85365
WORDS (LANGUAGE)
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
WORK
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909
WORK CAPACITY
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
Ergometric studies of untrained skeletal muscle demonstrate feasibility of muscle-powered cardiac assistance
[HTN-95-A0681] p 291 A95-74382
WORK-REST CYCLE
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
On-board crew-rest facilities p 522 A95-95134
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373
WORKLOADS (PSYCHOPHYSIOLOGY)
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
Strategic workload management and decision biases in aviation
[HTN-95-40883] p 259 A95-72260
The roles of immediacy and redundancy in relative subjective workload assessment
[HTN-95-B0067] p 389 A95-85883
Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
A large database study of the factors associated with work-induced fatigue
[HTN-95-B0072] p 377 A95-85888
Toward a psychophysical assessment of dynamic changes in mental workload
[HTN-95-B0109] p 397 A95-85925
P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645
Cellular manufacturing - design and implementation
[CONGRESS PAPER C428-14-202] p 469 A95-91708
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
Effect of task load and task load increment on performance and workload p 519 A95-95058
Task specific effects of automation and automation failure on performance, workload, and situation awareness p 519 A95-95060
The development of subjective measure of work underload p 506 A95-95170
Stabilization of performance on a computer-based version of the multiple task performance battery p 507 A95-95172
The options of pilots flying automated corporate aircraft with regard to their perceived workload p 507 A95-95173
Measurement of taskload in the analysis of aircrew performance p 507 A95-95174
Subjective workload profile p 507 A95-95175
Performance assessment and workload evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
Development of electrophysiological measures of GA pilot workload p 507 A95-95178
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task p 508 A95-95179
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180
The effect of taskload projection on automation use, performance, and workload p 523 A95-95181
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
Situation awareness and workload flip sides of the same coin p 508 A95-95185
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base p 509 A95-95195
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
Crew decision making under stress p 171 N95-16765
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655
Multiple-task performance: A critical review of the literature and a cognitive neuroscience framework
[AD-A285133] p 212 N95-19583
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
Development of an acuity-based nurse staffing system for the post anesthesia care unit
[AD-A288831] p 384 N95-26494
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692
Enhanced visual user interface support for domain-oriented application composition systems
[AD-A289337] p 400 N95-26737
Subjective workload assessment in a spatial memory task
[AD-A289491] p 391 N95-26825
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Task-dependent effects of automation: The role of internal models in performance, workload, and situational awareness in a semi-automated cockpit
[AD-A292538] p 470 N95-28969
Improved operator awareness of teleoperated land vehicle attitude
[AD-A290443] p 471 N95-29359
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
Practical guidelines for workload assessment p 542 N95-34777
WORKSTATIONS
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020
Stimulus-response compatibility
[PB95-214722] p 537 N95-33237
WORMS
Development and chromosome mechanics in nematodes: Results from IML-1
[ISBN 0-08-042485-6] p 6 A95-60657
WOUND HEALING
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086
Studies of altered response to infection induced by severe injury
[AD-A288907] p 450 N95-29139
WOVEN COMPOSITES
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
WRIST
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360

X

X RAY ANALYSIS
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821
X RAY DETECTORS
Feasibility of an integrated X-ray instrument for Mars exobiology and geology --- Abstract only p 185 A95-63892
X RAY DIFFRACTION
Bacterial luciferase: Determination of the structure by x-ray diffraction
[AD-A279699] p 246 N95-20711
X RAY SCATTERING
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
X RAY SOURCES
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
X RAY SPECTRA
Calculation of characteristic x rays in diagnostic d-ray spectrum
[BTN-94-EIX94341341389] p 145 A95-65124
X RAY SPECTROSCOPY
Calculation of characteristic x rays in diagnostic d-ray spectrum
[BTN-94-EIX94341341389] p 145 A95-65124
X RAYS
Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA) p 90 N95-15140
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731
XANTHINES
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
XENON
The origin and early evolution of the atmospheres of the inner planets --- Abstract only p 182 A95-63752

Y

YEAST
Redox ribonucleosides: Isolation and characterization of 5-hydroxycytidine, 5-hydroxyuridine, 8-hydroxyguanosine and 8-hydroxyadenosine from Torula Yeast RNA --- Abstract only p 139 A95-63922
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729

YOUTH
Anxiety and eye-hands-legs coordination in young pilots p 502 A95-95133

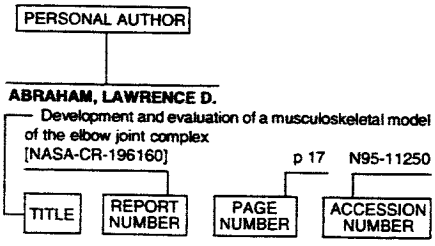
Z

ZINC
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
ZINC COMPOUNDS
Role of metal ferrocyanides in chemical evolution [HTN-95-10292] p 140 A95-64054
ZOOPLANKTON
Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder [AD-A289725] p 430 N95-28685

AEROSPACE MEDICINE AND BIOLOGY / *A Continuing Bibliography*
1995 Cumulative Index

December 1995

Typical Personal Author Index Listing



Listings in this index are arranged alphabetically by personal author. The title of the document is used to provide a brief description of the subject matter. The report number helps to indicate the type of document (e.g., NASA report, translation, NASA contractor report). The page and accession numbers are located beneath and to the right of the title. Under any one author's name the accession numbers are arranged in sequence.

A

AARNOUDSE, J. G.
Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421282944] p 320 A95-78955

AARON, E. A.
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370

AARON, ELIZABETH A.
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369

AARSVOLD, J. N.
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891

ABADIE, B.
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361

ABBOT, NEIL C.
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913

ABBOTT, DAVID W.
The options of pilots flying automated corporate aircraft with regard to their perceived workload
p 507 A95-95173

ABDEL-RAHMAN, A. R. A.
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898

ABE, RYUSUKE
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620

ABEL, DEREK H.
An image quality analysis of ANVIS-6 night vision goggles
[AD-A289398] p 401 N95-26883

ABOUSAHL, ISABELLE
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954

ABRAHAM, LAWRENCE D.
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270

ABRAHAM, W. M.
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161

ABRAINI, J. H.
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957

ABRAMOV, G. H.
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655

ABRASS, ITAMAR B.
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502

ACHARYA, RAJ S.
Characterization of microgravity effects on bone structure and strength using fractal analysis
p 531 N95-32419

ACHILLES, T.
Self-replicating oligonucleotides p 119 A95-63822

ACKEERMAN, PHILLIP L.
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918

ACKERMAN, PHILLIP L.
Cognitive/self-regulatory aptitudes and instructional methods for complex skill learning
[AD-A280937] p 20 N95-10536

ADACHI, TADASHI
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404

ADAIR, ROBERT K.
Ultrashort microwave signals: A didactic discussion
[HTN-95-01220] p 426 A95-91452

ADAM, SUE
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878

ADAMI, JANS F.
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609

ADAMS, ALAN
Environmental control and life support system selection for the first Lunar outpost habitat
[SAE PAPER 932065] p 467 A95-91643

ADAMS, G.
Skeletal muscle responses to unloading in humans
p 150 N95-16743

ADAMS, GREGORY R.
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384

ADAMS, J. MILTON
Cisternal Na(+) transport inhibition and the ventilatory response to CO2
[HTN-95-70465] p 222 A95-71487

ADAMS, LEWIS
Dose dependency of perceived breathlessness on hypoventilation during exercise in normal subjects
[HTN-95-70469] p 222 A95-71491

ADAMS, RICHARD J.
Aviation psychology, group dynamics and human performance issues in anesthesiology
p 499 A95-95111

ADAMS, WILLIAM F.
The effects of target vibration on contrast sensitivity
p 497 A95-95081

ADELROTH, E.
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507

ADELSTEIN, BERNARD D.
A high performance two degree-of-freedom kinesthetic interface p 99 N95-14042

ADES, PHILIP A.
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903

ADINE, AM.
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645

ADINOLFI, ANTHONY M.
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492

ADLER, MARK A.
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324

ADOPO, EUDOXIE
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961

AFLALAYE, A.
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016

AGGARWAL, J. K.
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086

AGUREEV, A.
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645

AGUREEV, V. V.
Obtaining medical and biological images by FTIR multiaspect projection refractometry
[HTN-95-61162] p 398 A95-86261

AGUSTI, ALVAR G. N.
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379

AGUT, M.
Taxonomy and philogeny: Palaeomycology
p 130 A95-63873

AHLBORG, GUNVOR
Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976

AHLF, S. B.
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951

AHLFORS, S.
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371
Magnetic source imaging of visually evoked and oscillatory electrical activity of the human brain
[PB95-127205] p 258 N95-22476

AHLFORS, SEPPO
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348
AHMAD, SUHAIL
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
AHMAIDI, S.
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
AHMED, S. M.
The effects of freezing on selected European and Asian foods prepared for International Space Missions
p 396 A95-82610
AHMED, T.
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
AIGA, I.
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
AIKEN, DONALD L.
Diagnosing cloudiness from global numerical weather prediction model forecasts
[AD-A289456] p 392 N95-26992
AIMAR, C.
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight
p 415 A95-87523
AKABOSHI, MITSUHIKO
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions
p 111 A95-63782
AKATOV, YU. A.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
AKIMOV, A. V.
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
AKIN, D.
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
AKITA, KENZO
Development of Advanced Robotic Hand System for space application p 314 N95-23704
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
AKITA, SADANORI
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess
p 418 A95-88592
AKIYAMA, YASUSHI
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole
[HTN-95-10065] p 49 A95-61916
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
AL-AJMI, N.
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
AL-TINAWI, AMIR
Influence of hypoxia and serotonin on small pulmonary vessels
[HTN-95-10073] p 51 A95-61924
ALAM, TANVEER
Oxidation of aniline on the metal ferrocyanides
p 112 A95-63787
ALARAINI, SULAIMAN A.
On the development of an expert system for wheelchair selection p 214 N95-19627
ALBANESE, RICHARD
Ultrashort pulse response in nonlinear dispersive media p 424 A95-90932
ALBARRAN, G.
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds
p 110 A95-63776
Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview
p 111 A95-63783
ALBERAS, DIANN J.
Template-directed reactions: Kinetic and mechanistic analysis p 115 A95-63803
ALBERSHEIM, P.
Structures and functions of oligosaccharins
[DE95-003195] p 249 N95-22220
Structures and functions of oligosaccharins
[DE95-003140] p 345 N95-24225
ALBERT, R. K.
Flow pulsatility does not increase mean microvascular pressure or filtration in zone 3 rabbit lungs
[HTN-95-00424] p 325 A95-81941
ALBIN, G.
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003
ALDER, L. J.
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory
p 356 A95-80397
ALDER, LAWRENCE J.
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329
ALDRICH, THOMAS K.
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
ALEM, NABIH M.
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147
Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667
ALEXANDE, KURT
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
ALEXANDER, ANDREW L.
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
ALEXANDER, LOREN D.
Waste disposal options for refractory tearout
[HTN-95-81618] p 458 A95-87666
ALEXANDER, M.
Cometary coma chemical composition (C4) mission
p 110 A95-63773
ALEXANDER, NEAL T.
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214
ALEXANDER, PHILIP H.
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
ALEXANDRE, CHRISTIAN
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
ALFANO, R. R.
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
ALFREY, C.
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
ALFREY, CLARENCE P.
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
ALLAMANDOLA, L. J.
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802
Polycyclic aromatic hydrocarbon ions and the diffuse interstellar bands p 194 A95-66804
ALLARD, GARY S.
Visual system operational evaluation
[AD-A289173] p 392 N95-27012
ALLEBBAN, ZUHAIR
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
ALLEMEIER, CRAIG A.
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
ALLEN, LINDA
Psychophysical foundations of a model of amplified night vision in target detection tasks
[HTN-95-B0066] p 389 A95-85882
ALLEN, ROBERT C.
Encoding altitude and rate information in cockpit displays of traffic information: Color my world
p 518 A95-95051
ALLEN, STEVE J.
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
ALLERARD, A. M.
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675
ALLEVARD, A. M.
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
ALLEY, WILLIAM E.
Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175
ALLIBARDI, SONIA
Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503
ALMEIDA, A. F.
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
ALMON, RICHARD
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
ALOIA, JOHN F.
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
ALOIMONOS, YIANNIS
The synthesis of vision and action
[AD-A285453] p 174 N95-18094
ALPER, HOWARD E.
Supercomputing studies of biomembranes
[HTN-95-92294] p 376 A95-85338
ALSTON, CAIREEN E.
Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427
ALTEKAR, WIJAYA
Archaebacterial ribulose bisphosphate carboxylase
p 138 A95-63914
ALTER, KEITH W.
Human engineering analysis for the high speed civil transport flight deck p 517 A95-95040
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
ALTSTEIN, ANATOLY D.
The origin of the genetic code: An approach on the base of the progene hypothesis p 120 A95-63826
ALVAREZ-ROMO, N.
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: initial results from biosphere 2 p 516 A95-93814
ALVAREZ, J.
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
ALVIM, KATIA M.
Greyout, blackout, and G-loss of consciousness in the Brazilian air force: A 1991-92 survey
[HTN-95-12211] p 448 A95-91911
ALWAY, STEPHEN E.
Force and contractile characteristics after stretch overload in quail anterior latissimus dorsi muscle
[HTN-95-A0596] p 271 A95-74297
Hypertropy and proliferation of skeletal muscle fibers from aged quail
[HTN-95-21590] p 372 A95-83375
AMALBERTI, RENE
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786
AMBROSE, K. R.
Nuclear medicine program
[DE94-017530] p 160 N95-19244
AMER, GALAL
Undetected neuropsychophysiological sequelae of khat chewing in standard aviation medical examination
[HTN-95-01210] p 444 A95-91442
AMEREDES, B. T.
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
AMEREDES, BILL T.
Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
AMILS, R.
The use of functional inhibitors in the study of ribosomal evolution p 137 A95-63909
AMIS, T.
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918

Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488

AMIS, T. C.
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984

ANDERS, A.
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

ANDERS, F.
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

ANDERSEN, D. T.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777

ANDERSEN, HARALD T.
Think health not disease p 164 N95-19429

ANDERSON, GLEN
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099

ANDERSON, MARK E.
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912

ANDERSSON, B.
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326

ANDRADE, FRANCISCO H.
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291

ANDRADE, MIGUEL ANGEL
Evolution of catalytic networks formed by self-replicative species p 119 A95-63824

ANDRE, ANTHONY D.
Attention in a multi-task environment p 506 A95-95168

ANDRE, M.
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce p 479 A95-93793
ECOSIMP2 model: Prediction of CO2 concentration changes and carbon status in closed ecosystems p 480 A95-93800

ANDREWS, ROGER
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566

ANDRIEUX, D.
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016

ANDRIEUX, DOMINIQUE
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727

ANIKEEVA, I. D.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933

ANKEN, R. H.
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526

ANSELME, F.
Exercise-induced hypoxemia in older athletes
[HTN-95-10071] p 51 A95-61922
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923

ANTEZANA, ANA-MARIA
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954

ANTON, H. J.
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles p 409 A95-87492
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520

ANTONIO, JOSEPH C.
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513

ANTONUTTO, G.
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans p 88 N95-15120

ANVARI, B.
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817

ANZUETO, ANTONIO
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291

AOKI, TAKESHI
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468

AOU, SHUJI
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats p 418 A95-88594

APPEL, R.
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504

APPLETON, BRIAN W.
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619

ARAKAWA, E. T.
Organic aerosols in the atmosphere of Titan p 183 A95-63754

ARAN, XAVIER
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964

ARATOW, M.
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744

ARBEILLE, P.
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002

ARBOGAST, ROBERT
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166

ARCE, JOAN CARLES
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977

ARCHAMBEAU, JOHN O.
The relative biological effectiveness of attenuated protons p 321 A95-81449

ARCIERO, PAUL J.
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371

ARDELL, JEFFERY L.
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932

ARENS, RAANAN
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532

ARIELI, R.
Prediction of central nervous system oxygen toxicity in rats
[HTN-95-A0666] p 288 A95-74367

ARIZPE, J.
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528

ARMBRUST, L.
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659

ARMSTONG, JASON W.
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
[HTN-95-00430] p 327 A95-81947

ARMSTRONG, JASON W.
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading
[HTN-95-A0113] p 198 A95-68896

ARMSTRONG, R. B.
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287

ARNAL, FRANK
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275

ARNAUD, S. B.
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828

ARNAUD, SARA B.
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347

AROKOSKI, JARI
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969

ARRHENIUS, G.
Phosphate microaggregates in Archean sediments p 135 A95-63897
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466

ARRHENIUS, GUSTAF
Double layer hydroxide minerals as host structures for bioorganic molecules p 135 A95-63896

ARRHENIUS, MEICHIA L.
Double layer hydroxide minerals as host structures for bioorganic molecules p 135 A95-63896

ARROYO, RUBEN
Neurodynamic oscillators p 311 N95-22987

ARRUDA, JAMES E.
Effects of graphic and verbal probability information on command decision making
[HTN-95-B0064] p 389 A95-85880

ARTHUR, E. J.
The effect of taskload projection on automation use, performance, and workload p 523 A95-95181

ARULGNANENDRAN, V. R.
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320

ARVOLA, PERTTI
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969

ASADOV, ALEXANDER R.
Architectural concept of Antarctic station of a new generation p 24 N95-11604

ASAKURA, MAKOTO
Satellite retrieving experiment of free flying telerobot p 395 A95-82471

ASAKURA, TETSUHIKO
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606

ASASHIMA, M.
Formation of otoconia in the Japanese red-bellied newt, Cynops pyrrhogaster
[ISBN 0-08-042485-6] p 9 A95-60670
AstroNewt: Early development of newt in space p 414 A95-87521

ASASHIMA, MAKOTO
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster p 363 A95-82612

ASHIDA, A.
Recycling of trace elements required for humans in CELSS p 488 A95-93781

ASHIDA, AKIRA
Considerations of extraterresterial life p 403 A95-82618
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620

ASKEW, E. W.
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558

ASKEW, E. WAYNE
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929

ASSIMAKOPOULOS, P. A.
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251

ASTAFIEV, V. B.
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653

ASTIER, JEAN PIERRE
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141

ASTON-JONES, GARY
Locus coeruleus, vigilance and stress: Brain mechanisms of adaptive behavioral responsiveness
[AD-A282450] p 169 N95-16377

ATAKA, M.
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process
[BTN-94-EIX94341340604] p 105 A95-63569

ATALAY, MUSTAFA
Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041
ATASSI, M. Z.
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754
ATCHISON, D.
NASA's Space Life Sciences Training Program
[ISBN 0-08-042485-6] p 12 A95-60689
ATLAN, G.
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
ATWELL, WILLIAM
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
AUDI, S.
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085
AUDI, S. H.
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
AUDI, SAID H.
Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319
AVDEEV, O. I.
Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268
AVERY, DAVID H.
Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341
AVNER, O.
A direct approach to the study of the effect of gravity on axis formation in birds
[ISBN 0-08-042485-6] p 8 A95-60663
AWE, CYNTHIA A.
The effect of scene content on speed, time, and distance perception p 497 A95-95078
Use of optical edge and optical flow rate: Information in the perception and control of ground velocity p 497 A95-95079
AWERBUCH, TAMARA
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
AXEN, KENNETH
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
AZAKAMI, TAKASHI
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
AZOFRA, JOSE A.
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440

B

BAAN, GUUS C.
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
BAARTZ, F. J.
The fluid content of the shell tissues of the human body under different experimental conditions p 437 A95-88564
BABA, S.
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration
[HTN-95-90032] p 82 A95-62823
BABCOCK, MARK A.
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349
BABUSIS, ALGIS
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
BACKEMEYER, LYNN A.
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627
BACKES, PAUL
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
BACKMAN, D. K.
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
BACKS, RICHARD W.
Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884
BACON, D.
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
BADA, JEFFREY L.
The use of the ninhydrin reaction for the elimination of protein amino acids in cosmogeochemical samples p 109 A95-63771
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life p 184 A95-63860
Amino acid stereochemistry in cosmogeochemical samples and the origin of amino acid chirality on Earth p 129 A95-63867
Inhibition of amino acid metabolic enzymes by alpha-aminoisobutyric acid p 131 A95-63876
Amino acid stability in hydrothermal vents p 138 A95-63916
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
BADEAU, ALBERT
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180
BADR, M. SAFWAN
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep
[HTN-95-10097] p 57 A95-61948
BAER, P. R.
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
BAEZ, JOSE MANUEL
Performance of EVA suit mobility joints influence of driving parameters
[SAE PAPER 932098] p 460 A95-90342
BAGBY, GREGORY J.
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
BAGGERUD, C.
Development of plant protoplasts during the IML-1 mission
[ISBN 0-08-042485-6] p 6 A95-60655
BAGGETT, J. C.
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
BAI, SHUMIN
Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats
[HTN-95-93122] p 486 A95-95623
BAI, TONY
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
BAICHOO, S.
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
BAIER, H.
Tracheal mucosal edema in hydrostatic pulmonary edema
[HTN-95-A0619] p 277 A95-74320
BAILE, ELISABETH
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
BAILEY, DEAN A.
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
BAIRD, ELDON E.
Template-directed reactions: Kinetic and mechanistic analysis p 115 A95-63803
BAIRD, RICHARD A.
Comparative Transduction Mechanisms of Vestibular Otolith Hair Cells
[NASA-CR-197980] p 379 N95-26727
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity p 380 N95-26729
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730
Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 1: Responses to intracellular current p 380 N95-26731
Comparative transduction mechanisms of hair cells in the bullfrog uticulus. 2: Sensitivity and response dynamics to hair bundle displacement p 381 N95-26732
BAISCH, F. J.
Applied potential tomography shows differential changes in fluid content of leg tissue layers in microgravity
[ISBN 0-08-042485-6] p 14 A95-60674
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity p 90 N95-15138
BAISCH, F. W.
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863
BAJWA, K.
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
BAKER, MICHAEL J.
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
BAKKER, F. C.
Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects
[HTN-95-50860] p 236 A95-73050
BALASSY, Z.
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
BALASSY, ZSOLT
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
BALCH, SIGNE
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading
[HTN-95-A0113] p 198 A95-68896
BALDUS, PHILLIP J.
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341
BALDWIN, BRIAN J.
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
BALDWIN, KENNETH M.
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21599] p 374 A95-83384
BALDWIN, ROD
The successful management of programs for human factors certification of advanced aviation technologies p 543 N95-34780
BALDWIN, THOMAS O.
Bacterial luciferase: Determination of the structure by x-ray diffraction
[AD-A279699] p 246 N95-20711
BALL-BURNETT, M.
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356
BALL, R.
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885
BALLARD, R. E.
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744
BALLARD, RICHARD E.
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
BALLARD, RODNEY W.
Centrifuges in gravitational physiology research p 91 N95-15147
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569

BALLARD, STEPHEN T.
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259
BALLDIN, ULF I.
New advances in physiological measurements during high-G: Technology p 532 N95-34057
BALLHAUS, W. L.
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397
BALLIN, MARK G.
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642
BALOCCO, PAOLO
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348
BALOG, E. M.
Role of sarcolemma action potentials and excitability in muscle fatigue
[HTN-95-70081] p 77 A95-62523
BALOOCH, MEHDI
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275
BALTO, PETTER ASBJORN
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
BALTSCHEFFSKY, H.
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
BALTSCHEFFSKY, HERRICK
Phosphate compounds in precellular and early cellular energy conversion p 123 A95-63844
BALTZER, ROBERT
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
BALZAMO, EMMANUEL
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
BALZAROTTI, GIORGIO
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
BANCALARI, EDUARDO
Effect of dopamine on hypoxic ventilatory response of sedated piglets with intact and denervated carotid bodies
[HTN-95-A0611] p 275 A95-74312
BANCROFT, J.
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
BANDERET, LOUIS E.
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
BANGSBO, J.
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
BANGSBO, JENS
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
BANIN, A.
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Life on Mars? 1: The chemical environment p 215 A95-66772
Life on Mars? 2: Physical restrictions p 215 A95-66773
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
BANKS, R. D.
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
BANKS, W.
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
BAR-NUN, A.
An assemblage of free amino acids as a possible prebiotic enzyme p 115 A95-63806
BAR-NUN, AKIVA
The origin and early evolution of the atmospheres of the inner planets p 182 A95-63752
BAR-OR, O.
Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903
BARABOY, V. A.
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
BARAGA, J. J.
Using laser spectroscopy to diagnose disease p 434 A95-87829
BARANY, JAMES W.
Human performance in actuating switches during tracking
[HTN-95-A0503] p 259 A95-72574
BARATTA, G. A.
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801
BARBER, J.
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326
BARBERA, JOAN A.
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
BARBIER, BERNARD
Polypeptide-assisted oligomerization of nucleotide analogs p 114 A95-63801
BARDIN, VLADIMIR I.
Architectural concept of Antarctic station of a new generation p 24 N95-11604
BAREIS, DONNA L.
Acute radiation sickness amelioration analysis
[AD-A279084] p 256 N95-21629
BARKATE, M. I.
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558
BARKER, J.
Tracheal mucosal edema in hydrostatic pulmonary edema
[HTN-95-A0619] p 277 A95-74320
BARKLEY, ROBERT
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932057] p 460 A95-90341
BARLOW, P. W.
Oscillations of axial plant organs
[ISBN 0-08-042485-6] p 5 A95-60651
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
An introduction to gravity perception in plants and fungi – a multiplicity of mechanisms p 409 A95-87493
BARMAN, SCOTT A.
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932
BARNARD, JOSEPH W.
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259
BARNAS, GEORGE M.
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281
BARNAVOL, BRIGITTE
Thyroid hormone changes in a cold air environment after local cold acclimation
[HTN-95-70072] p 75 A95-62514
BARNES, P. R.
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
BARNES, PAUL R.
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
BARNES, PETER J.
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
BARNES, R.
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818
BARNES, RORY M.
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
BARNES, WILLIAM S.
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012
BARNEY, CHRISTOPHER C.
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
BARON, C. B.
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
BARR, R. E.
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708
BARR, RONALD E.
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270
BARRATT, M.
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
BARRATT, M. R.
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
BARRETT, TED G.
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386
BARRY, SUSAN R.
The role of the vestibular system in manual target localization p 533 N95-32422
BARRY, T.
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
BARSHTEIN, GREGORY
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
BARSKII, I. YA.
Fiber-optic luminescence probes for biomedical studies
[HTN-95-61166] p 399 A95-86265
BARSON, R. A.
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
BARSTOW, THOMAS J.
Evaluation of a symmetrically disposed Pitot tube flowmeter for measuring gas flow during exercise
[HTN-95-70458] p 220 A95-71480
Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040
Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise
[HTN-95-A0648] p 284 A95-74349
BARTA, D. J.
Microbiological characterization of a regenerative life support system p 515 A95-93808
Regenerative life support systems - why do we need them? p 516 A95-93812
BARTEL, DAVID P.
Approaches to the selection of an RNA replicase p 113 A95-63792
BARTELL, S. M.
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program
[DE95-008097] p 387 N95-28136
BARTLETT, RODNEY J.
International journal of quantum chemistry
[AD-A291633] p 383 N95-28546

BARTONE, PAUL T.
Psychosocial stress and mental health in a forward-deployed military community
[AD-A285940] p 263 N95-22323
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324
BARTOS, DAGMAR
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
BARTSEV, S. I.
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776
BARUCH, TODD
Psychophysical foundations of a model of amplified night vision in target detection tasks
[HTN-95-B0066] p 389 A95-85882
BASCOU-BUSSAC, MYLENE
Relationship between dot-Cr and breathing pattern in mechanically ventilated patients
[HTN-95-70490] p 227 A95-71512
BASILEVSKY, A. T.
Density and morphology of impact craters on tessera terrain, Venus
[HTN-95-20760] p 268 A95-71120
BASINSKI, DANIEL J.
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917
BASIUK, VLADIMIR A.
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis
[HTN-95-01237] p 427 A95-91469
BASNER, ROBERT C.
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
BASSINGER, VIRGINIA J.
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
BASSOLINO-KLIMAS, DONNA
Supercomputing studies of biomembranes
[HTN-95-92294] p 376 A95-85338
BASTACKY, J.
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig
[HTN-95-50892] p 243 A95-73082
BATEMAN, STUART A.
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
BATEMAN, WILLIAM
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
BATES, J. H. T.
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
BATES, JASON H. T.
Serial distribution of airway mechanical properties in dogs: Effects of histamine
[HTN-95-A0110] p 197 A95-68893
Altered mechanical properties of lung parenchyma in postobstructive pulmonary vasculopathy
[HTN-95-70484] p 226 A95-71506
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
BATIA, SHARON
Coping and adaptation: Theoretical and applied perspectives
[AD-A290513] p 455 N95-29090
BATMAN, BRIAN A.
Sympathetic nerve activity during prolonged rhythmic forearm exercise
[HTN-95-10113] p 61 A95-61964
BATTERSBY, ALAN R.
How nature builds the pigments of life: the conquest of vitamin B-12
[BTN-94-EIX94431375202] p 436 A95-88153
BATTISTE, VERNOL
Crew performance and communication: Performing a terrain navigation task p 506 A95-95169
Navigational demands of low-level helicopter flight p 506 A95-95171
BATTISTINI, N.
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
BAUDRY, NATHALIE
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
BAUM, K.
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
BAUM, VICTOR C.
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055
BAUMAN, CAROLYN
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
BAUMANN, U.
Three stages during the evolution of the genetic code p 118 A95-63817
BAUMANN, ULRICH
Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand p 118 A95-63816
BAUMGARTEN, R. V.
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration
[HTN-95-90032] p 82 A95-62823
BAUMGARTNER, ROBERT M.
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892
BAUTZ, A.
In vivo fertilization and development in microgravity using pleurodele ('Zeus' project)
[ISBN 0-08-042485-6] p 9 A95-60667
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight p 415 A95-87523
Peptidase-1 expression in some organs of the salamander Pleurodeles waltl submitted to a 12-day space flight p 415 A95-87524
BAYARD, BERNARD
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
BAYLOR, K. A.
Dynamics of the G-excess illusion p 155 N95-16771
BAYO, M.
Taxonomy and philogeny: Palaeomycology p 130 A95-63873
BAZZY, A. R.
Effect of hypoxia on neuromuscular transmission in the developing diaphragm
[HTN-95-60037] p 68 A95-62145
BEAHAN, JOHN
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
BEASLEY, HOWARD H.
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
BEATTY, ROGER
Distributed problem solving by pilots and dispatchers p 495 A95-95065
BEAUMONT, VALERIE
Nitrogen isotopic composition of organic matter: Chemical fossils in Precambrian cherts p 127 A95-63861
BECHER, G.
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI) p 528 N95-32725
BECHER, W.
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
BECHLER, B.
Lymphocyte experiment on SLS-1 p 442 A95-88596
BECHTEL, PETER J.
Modulation of IGF mRNA abundance during stretch-induced skeletal muscle hypertrophy and regression
[HTN-95-70078] p 76 A95-62520
BECK, B. G.
Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741
BECK, J. SWANSON
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
BECK, P.
CoMA a high resolution TOF-SIMS for in-situ analysis of cometary matter p 109 A95-63772
BECKER, A. B.
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
BECKER, HEINRICH
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
BECKER, LEWIS C.
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
BECKETT, MARCIE B.
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
BEDNARIK, J. A.
Evaluation of a transit-time system for the chronic measurement of blood flow in conscious sheep
[HTN-95-91892] p 338 A95-81994
BEEHLER, CONNIE J.
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
BEEK, JOHAN
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
BEEK, JOHAN F.
Continuous pneumothorax monitoring by remittance measurement
[BTN-94-EIX94421282946] p 348 A95-78957
BEEKLEY, MATT
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661
BEETS, A. L.
Nuclear medicine program
[DE94-017530] p 160 N95-19244
BEHMAND, RAMIN A.
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
BEIGHTOL, LARRY A.
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
BEKAERT, GUY
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
BELARDINELLI, LUIZ
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168
BELCASTRO, A. N.
Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907
BELINSKY, STEVEN A.
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188
BELISLE, WARREN
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
BELL, D.
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
BELL, DONALD R.
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318
BELL, LEONARD B.
Cardiac receptors modulate the renal sympathetic response to dynamic exercise in rabbits
[HTN-95-60032] p 67 A95-62140
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481

BELL, THOMAS W.
Self-assembly of a double-helical complex of sodium
[BTN-94-EIX94401310330] p 305 A95-76505
BELLAIRS, R.
Experiments on embryos in Space: An overview
[ISBN 0-08-042485-6] p 6 A95-60654
BELLATRECCIA, ANDREA
Neuropsychophysiologic sequelae of mild head injury
p 165 N95-19430
BELLI, ANTONIO
Neuropsychophysiologic sequelae of mild head injury
p 165 N95-19430
BELLUSA, LISELLE
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
BELOV, A. G.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
BELYAEV, A. D.
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
BELYAVSKAYA, N. A.
Free and membrane-bound calcium in microgravity and microgravity effects at the membrane level
p 412 A95-87510
BEN-AMOTZ, AMI
Beta-Carotene and CNS oxygen toxicity in rats
[HTN-95-10105] p 59 A95-61956
BEN-JEBRIA, ABDELLAZIZ
Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow
[HTN-95-A0112] p 198 A95-68895
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing
[HTN-95-70486] p 227 A95-71508
BENDER, EDWARD
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376
BENDRICK, GREGG A.
A proposal to study gender differences in the rates of decompression sickness
[AD-A281854] p 147 N95-16297
BENEFICE-MALOUET, S.
Investigations about alpha-aminoacid synthesis under prebiotic conditions p 107 A95-63761
BENIGNUS, VERNON A.
Behavioral effects of carbon monoxide: Meta analyses and extrapolations
[HTN-95-10108] p 60 A95-61959
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979
BENILAN, Y.
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
BENILAN, YVES
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727
BENN, KAREN P.
The assessment of virtual reality for human anatomy instruction p 160 N95-18971
BENNETT, C. THOMAS
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
BENNETT, FRANCIS S.
Imagery in aviation: Pilot training p 502 A95-95141
BENNETT, STEPHEN H.
Modeling methodology for vascular input impedance determination and interpretation
[HTN-95-10070] p 50 A95-61921
BENOLKEN, MARTHA S.
Role of somatosensory and vestibular cues in attenuating visually induced human postural sway
[NASA-CR-197845] p 393 N95-27697
BENSON, ROBERT H.
Life Sciences Centrifuge Facility assessment
[NASA-CR-196848] p 30 N95-13423
Microgravity Sciences Biotechnology Facility assessment
[NASA-CR-196602] p 382 N95-27329
BENTON, E. V.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934
BERBAUM, KEVIN S.
Eyestrain in virtual environments p 490 A95-95162
Disorientation and postural disequilibrium from simulated flight p 490 A95-95164
BEREZHNOV, E. S.
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
BERG, ROGER
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421282962] p 349 A95-78962
BERGELSON, LEV
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
BERGER, ANNMARIE
Ride motion simulator (RMS) testing using human occupants
[AD-A292641] p 471 N95-29378
BERGERON, HUGH
A training approach for highly automated ATC systems p 506 A95-95165
BERGH, KARE
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965
BERGLUND, B.
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
BERGMANN, JEFFREY D.
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
BERGO, GURI W.
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913
BERGSTROEM, BENGT
Stimulus-response compatibility
[PB95-214722] p 537 N95-33237
BERINGER, DENNIS B.
Encoding altitude and rate information in cockpit displays of traffic information: Color my world
p 518 A95-95051
BERKA, REGINALD B.
Dexterous Orbital Servicing System (DOSS)
p 316 N95-23723
BERKHOUT, JAN
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099
BERKLEY, WILLIAM E.
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513
BERKOVICH, Y.
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects
p 481 A95-93804
BERLACU, A.
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
BERLIN, A. A.
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
BERLINER, L.
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
BERMAN, NANCY
Ratios and regressions in body size and function: A commentary
[HTN-95-A0677] p 290 A95-74378
BERNASCONI, CLAUDE F.
Template-directed reactions: Kinetic and mechanistic analysis p 115 A95-63803
BERNATH, P. F.
Laboratory astrophysics and molecular astronomy of pure carbon molecules p 189 A95-66753
BERRY, P.
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
BERRY, W.
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
BERRY, W. L.
Proximate nutritional composition of CELSS crops grown at different CO2 partial pressures p 477 A95-93780
BERTHON-JONES, MICHAEL
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
BERTRAM, JOHN E. A.
Structural response of growing bone to exercise and disuse
[HTN-95-60047] p 71 A95-62155
BERTRAN, P. E.
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
BESCH, E. L.
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926
BESCO, ROBERT O.
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
BESICH, WILLIAM J.
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768
BESSOU, PAUL
Unusual visual stimulation in dynamic balance conditions: Proposal for a space motion sickness test
[ISBN 0-08-042485-6] p 15 A95-60680
BETTICHER, DANIEL C.
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
BETZEL, CHR.
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
BEYER, NEIL
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
BEYERS, NULDA
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
BHANSIN, CHARLOTTE A.
On the development of an expert system for wheelchair selection p 214 N95-19627
BHATTACHARYA, JAHAR
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274
BHATTACHARYA, SUNITA
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
BI, YU
Evidence that the protocell was also a protoneuron
p 126 A95-63854
BICKLER, PHILIP
Time course of augmentation and depression of hypoxic ventilatory responses at altitude
[HTN-95-A0615] p 276 A95-74316
BIDANI, AKHIL
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346
BIEGER-DOSE, A.
Biochemical constraints for survival under martian conditions p 192 A95-66778
ERA-experiment 'space biochemistry'
p 404 A95-83984
BIEGER-DOSE, ANGELIKA
The stability of DNA in extreme dryness
p 135 A95-63894
BIEGING, J. H.
Circumstellar chemistry from microwave and mm-wave spectroscopy p 214 A95-66752
BIERMANN, B.
Physiological, biochemical and molecular processes associated with gravitropism in roots of maize
[ISBN 0-08-042485-6] p 10 A95-60671
BIERS, DAVID W.
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task
p 508 A95-95179
A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190

BIEWENER, ANDREW A.
Structural response of growing bone to exercise and disuse
[HTN-95-60047] p 71 A95-62155
BIGGERS, K. B.
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
BIGHAM, CHUCK
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life
p 184 A95-63860
BIJI, P.
Target acquisition: Human observer performance studies and TARGAC model validation
[AD-A284436] p 95 N95-15816
BILCIK, B.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106
BILLICA, R. D.
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777
BILODEAU, MARTIN
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
BINDON, JOHN N.
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
BING, GUOYING
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
BINGHAM, G.
Preparations for CELSS flight experiments with wheat
p 512 A95-93762
BINOT, R.
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
BINOT, R. A.
Biological life support for manned missions by ESA
p 513 A95-93768
BINZONI, TIZIANO
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
BIRCH, PAUL
How to spin a planet
[HTN-95-60882] p 358 A95-78862
How to move a planet
[HTN-95-60883] p 358 A95-78863
BIRDSONG, M. B.
Temperature prediction of space flight experiments by computer thermal analysis
[HTN-95-60849] p 349 A95-78899
BIRO, RONALD L.
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
BISHOP, B.
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
BISSCHOP, ANJA
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
BISSON, ROGER U.
Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854
BITTEL, J.
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310
BITTERMAN, H.
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
BITTERMAN, N.
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
BITTERMAN, NOEMI
Beta-Carotene and CNS oxygen toxicity in rats
[HTN-95-10105] p 59 A95-61956
BIZOLLON, CH. A.
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
BJERKHOEL, PER
Failure of hemoconcentration during standing to reveal plasma volume decline induced in the erect posture
[HTN-95-50886] p 241 A95-73076
BJURSTEDT, HILDING
The Physiologist, volume 36, number 1, supplement
p 85 N95-15089
Manipulating the arterial pressure to prevent G-LOC
p 88 N95-15123
BLACK, C.
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
BLACK, S.
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
BLACKWELL, A. L.
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
BLACKWELL, C.
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
BLACKWELL, C. C.
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
BLACKWELL, CHARLES C.
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
BLAKE, DAVID F.
Probing the structure of cometary ice
p 419 A95-88727
BLANCH, H. W.
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843
BLANCH, JOHN
HOTT - a CRM course designed for the helicopter pilot p 499 A95-95108
BLANCO, ROSA E.
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
BLANK, SALLY E.
Mechanistic differences in NK cell cytolytic activity in ureaemia-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
BLANTON, CHRISTOPHER L.
Refractive changes during prolonged exposure to altitude following refractive surgery
[AD-A290263] p 451 N95-29173
BLASCHKE, TERRANCE F.
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
BLASER, C. A.
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336
BLAUERT, JENS
The Teleprasenz Consortium: Structure and intentions
p 99 N95-14039
BLES, WILLEM
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
BLOCH-SALISBURY, ELISABETH
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials
[HTN-95-A0700] p 296 A95-75269
BLOCK, I.
Gravitational response of the slime mold Physarum
[ISBN 0-08-042485-6] p 2 A95-60635
BLOMBERG, CLAS
The role of accuracy for early cooperative stages of the origin of life p 133 A95-63883
The role of accuracy for early stages of the origin of life p 422 A95-88742
BLOOMBERG, JACOB J.
The effect of space flight on spatial orientation
p 437 A95-88566
BLUM, V.
C.E.B.A.S. mini module: Test results of an artificial (man-made) aquatic ecosystem p 477 A95-93771
BLUMER, J. L.
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
BLUMKIN, DAVID B.
Recognizing subtle physiological cues: Training to prevent pilot incapacitation p 489 A95-95138
BOARDWAY, JAMES
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
BOBE, L. S.
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
BOCHAROV, S. S.
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
BODA, K.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106
BODA, KOLOMAN
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions
p 45 N95-15144
BODE, ARTHUR P.
Evaluation of dried storage of platelets for transfusion: Physiologic integrity and hemostatic functionality
[AD-A286078] p 253 N95-20850
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851
BODINE-FOWLER, SUE
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
BODO, M.
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
BODSBERG, L.
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support
[PB94-215597] p 181 N95-19412
BOENDER, WIM
A simple handheld push-button device for in situ calibration of pneumotachographs
[HTN-95-A0682] p 292 A95-74383
BOERSMA, H.
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
BOETTCHER, SHEILA W.
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1)
p 84 N95-14223
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1)
p 84 N95-14224
BOFF, KENNETH R.
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692
BOGART, EDWARD H.
Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] p 312 N95-22579
BOHLEN, H. GLENN
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
BOICE, D. C.
Polymers and other macromolecules in comets -- A possible relationship to the origins of life
p 182 A95-63751
BOISTELLE, ROLAND
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141
BOLAS, M.
The Ames Virtual Environment Workstation: Implementation issues and requirements
p 98 N95-14034

BOLEN, SCOTT M.
Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919
BOLINGER, LIZANN
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
BOLSHIYANOV, D.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
BOLSTAD, CHERYL A.
Individual differences in pilot situation awareness
[HTN-95-40884] p 259 A95-72261
BOLSTAD, G.
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512
BOMALASKI, S. H.
Continuous and intermittent personal microclimate cooling strategies
[HTN-95-01211] p 425 A95-91443
BOMAR, JOHN B., JR.
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561
BON, BRUCE
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
BONDAR, R. L.
Development of plant protoplasts during the IML-1 mission
[ISBN 0-08-042485-6] p 6 A95-60655
BONDE-PETERSEN, FLEMMING
Volume regulation in humans during weightlessness p 438 A95-88568
BONEN, AREND
Effects of exercise and glycogen depletion on glyconeogenesis in muscle
[HTN-95-10083] p 53 A95-61934
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise
[HTN-95-70077] p 76 A95-62519
BONGARD, ROBERT
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
BONGARD, ROBERT D.
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0726] p 302 A95-75294
BONGIANNI, FULVIA
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
BONNER, WILLIAM A.
Chirality, cosmochemistry and life p 129 A95-63868
Chirality and life p 422 A95-88738
Enantioselective autocatalysis. 2: Racemization studies on a 1, 4-benzodiazepinooxazole derivative
[HTN-95-01239] p 428 A95-91471
BONSI, C. K.
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
BOON, J. J.
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797
BOONE, ANDREW
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
BOOPATHY, R.
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697
BOOTH, F. W.
Terrestrial applications of bone and muscle research in microgravity
[ISBN 0-08-042485-6] p 14 A95-60676
BOR, Z.
Experimental investigation of picosecond optical breakdown in water and biological tissues p 433 A95-87820
BORCHERS, B.
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
BORCHERS, B. A.
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
BORCHERS, BRUCE A.
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
BORER, KATARINA T.
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
BORIACK, R. L.
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
BORIEK, ALADIN M.
Inferences on passive diaphragm mechanics from gross anatomy
[HTN-95-50888] p 242 A95-73078
BORZONE, G.
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
BOS, JELTE E.
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
BOS, JOOP A. T.
A simple handheld push-button device for in situ calibration of pneumotachographs
[HTN-95-A0682] p 292 A95-74383
BOSMAN, SASKIA
Heat-induced structural alterations in myocardium in relation to changing optical properties
[BTN-94-EIX94421282947] p 348 A95-78958
BOSSI, RICHARD H.
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020
BOSWELL, R. A.
A computerized selection test for Canadian forces Air Traffic Controllers p 498 A95-95103
BOTTA, BERT L.
Beyond reason: The non judgmental path of least resistance to graceful CRM p 499 A95-95110
BOUGHER, S. W.
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162
BOUGHNER, DEREK R.
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
BOUILLE, CHRISTIAN
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
BOUKENTER, A.
Can biological homochirality result from a phase transition? p 130 A95-63871
Can biological homochirality result from a phase transition? p 422 A95-88741
BOULARD, PHILIPPE
Validation of a noninvasive tension-time index of inspiratory muscles
[HTN-95-91907] p 341 A95-82009
BOULAY, WILLIAM
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
BOURDON, L.
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
BOURDON, LIONEL
Use of a speadsheet program for circadian analysis of biological/physiological data
[HTN-95-01219] p 426 A95-91451
BOURRIN, SANDRINE
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
BOUSHEL, ROBERT
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
BOUSSON, K.
Qualitative reasoning methods for CELSS modeling p 515 A95-93798
BOUTHIER DE LA TOUR, C.
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily p 139 A95-63918
BOWER, E. A.
The effect of special boards of flight surgeons on the evolution of US Naval flight standards p 162 N95-19417
BOWER, EDWARD A.
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
BOWERS, CLINT
The impact of automation on crew communication and performance p 501 A95-95125
BOWERS, CLINT A.
The development of aircrew coordination behaviors p 505 A95-95156
BOWES, GLENN
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947
BOWLES, ANTHONY J. G.
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
BOWLES, D. K.
Exercise training improves metabolic response after ischemia in isolated working rat heart
[HTN-95-10080] p 53 A95-61931
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
BOWLES, STEPHEN V.
Military aeromedical psychology training
[HTN-95-A0505] p 260 A95-72576
Aeromedical psychology training p 503 A95-95142
BOWSHER, J. E.
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
BOYA, L. J.
Evolution of the genetic code p 139 A95-63921
BOYAJIAN, JAMES
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
BOYAJIAN, JAMES G.
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
BOYD, M. J.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
BOYD, R. E.
The use of radioisotopes in human experiments: Comments in response to recent media articles
[DE95-605680] p 354 N95-25981
BOYER, B. T.
Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932
BOYER, D.
Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
BOYER, DONNA
Blink rate: A possible measure of fatigue
[HTN-95-B0073] p 377 A95-85889
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
BRABY, C. D.
The development of subjective measure of work underload p 506 A95-95170
BRACK, A.
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765
BRACK, ANDRE
Did the very first self-replicating chemical systems need homochirality? p 129 A95-63866
BRACKEN, T. DAN
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
BRADBURY, E. M.
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
BRADBURY, MORTON
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065

BRADHAM, GILBERT B.
Segmental bioelectrical impedance analysis: Theory and application of a new technique
[HTN-95-A0594] p 271 A95-74295
BRADLEY, PAULA L.
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188
BRADLEY, W. L.
Information, entropy, thermodynamics and the origin of life p 140 A95-63925
BRAEUCKER, R.
Behavioural changes in Paramecium and Didinium exposed to short-term microgravity and hypergravity p 407 A95-87297
BRAIDMAN, I. P.
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
BRAIN, P.
Oscillations of axial plant organs
[ISBN 0-08-042485-6] p 5 A95-60651
BRAMBRINK, JILL K.
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
BRANCATISANO, A.
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984
BRANNICK, MICHAEL T.
A method for specifying observations in team training p 505 A95-95157
BRANT, ROLLIN
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
BRASEL, JO ANNE
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
BRASSARD, JAMES M.
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
BRAUN, BARRY
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
BRAUN, CURT C.
The development of aircrew coordination behaviors p 505 A95-95156
BRAUNE, ROLF J.
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
BRAY, W.
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
BRECHIGNAC, F.
'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
BRECHT-CLARK, JAN
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
BRECHUE, W. F.
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
BRECHUE, WILLIAM
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661
BRECHUE, WILLIAM F.
Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
Lactate and acid-base exchange during brief intense contractions of skeletal muscle in situ
[HTN-95-A0607] p 274 A95-74308
BRECKLER, JENNIFER L.
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
BREIDER, M. A.
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801
BREIT, GREGORY A.
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
BRENGELMANN, GEORGE L.
Maximal skin blood flow is decreased in elderly men
[HTN-95-A0586] p 269 A95-74287
Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
BRENNER, MATTHEW
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
BRENNINKMEIJER, CARL A. M.
Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885
BRICE, GLENN
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
BRIDGEMAN, BRUCE
Space constancy on video display terminals
[AD-A280015] p 261 N95-20314
BRIDGERS, KEVIN
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821
BRIEGLEB, W.
Gravitational response of the slime mold Physarum
[ISBN 0-08-042485-6] p 2 A95-60635
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
The reaction of Xenopus laevis Daudin (South African toad) to linear accelerations
[ISBN 0-08-042485-6] p 8 A95-60666
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
BRIMIOULLE, SERGE
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333
BRINCK-JOHNSEN, T.
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325
BRINCK, HEINRICH
Efficiency function: Improvement of classical bioheat approach
[HTN-95-A0636] p 281 A95-74337
BRINKMANN, UWE
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
BRINTON, KAREN L. F.
The use of the ninhydrin reaction for the elimination of protein amino acids in cosmogeochemical samples p 109 A95-63771
BRISSON, GUY R.
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961
BRITTEL, JACQUES H. M.
Thyroid hormone changes in a cold air environment after local cold acclimation
[HTN-95-70072] p 75 A95-62514
BRITTON, THOMAS
Low-level alcohol effects on pilot readback performance: An exploratory study p 489 A95-95132
BROACH, DANA
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
BROECKER, WALLACE S.
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
BROEKSMA, ALBERT H.
Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427
BROMBERG, PHILIP A.
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
BROMBERG, PHILLIP A.
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979
BROMEIS, B.
The reaction of Xenopus laevis Daudin (South African toad) to linear accelerations
[ISBN 0-08-042485-6] p 8 A95-60666
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
BROOKS, FREDERICK P., JR.
Virtual reality at work p 98 N95-14033
BROOKS, G. A.
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
BROOKS, GEORGE A.
Increased dependence on blood glucose in smokers during rest and sustained exercise
[HTN-95-10054] p 46 A95-61905
BROOKS, KATHY
Coping and adaptation: Theoretical and applied perspectives
[AD-A290513] p 455 N95-29090
BROQUETAS, JOAN
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
BROUWER, T.
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
BROWER, ROY G.
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
BROWN, A. H.
The gravitational plant physiology facility-Description of equipment developed for biological research in spacelab
[HTN-95-80713] p 245 A95-73285
BROWN, C. S.
Soybean cotyledon starch metabolism is sensitive to altered gravity conditions
[ISBN 0-08-042485-6] p 4 A95-60644
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity p 476 A95-93765
Spectral quality may be used to alter plant disease development in CELSS p 482 A95-93811
BROWN, CECELIA WRIGHT
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821
BROWN, CHRISTOPHER M.
Vision, learning, and development
[TR-492-REV] p 95 N95-15787
BROWN, DEBORAH
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292
BROWN, G. G.
Biological determinants of photobioreactor design
[DE94-016032] p 306 N95-22872
BROWN, JAMES E.
Visual system operational evaluation
[AD-A289173] p 392 N95-27012
BROWN, JAMES W.
Structure and evolution of an RNA enzyme: Ribonuclease P. p 137 A95-63910
BROWN, K.
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639
BROWN, M. D.
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
BROWN, MAX L.
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
BROWN, MICHAEL E.
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
BROWN, RAY
Living in space
[NASA-TM-110536] p 314 N95-23274

BROWN, ROBERT H.
Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
[HTN-95-00440] p 329 A95-81957
BROWN, SHERILYN A.
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
BROWN, TAMMY R.
Pathfinder analysis of Miller's task analysis terminology p 510 A95-95208
BROWNSTEIN, ERICA
Effects of N-acetylcysteine on in vitro diaphragm function are temperature dependent
[HTN-95-50874] p 239 A95-73064
BROYDE, S.
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606
BRUBAKER, INARA M.
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
BRUBAKER, KATHRYNE B.
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390
BRUBAKK, A. O.
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665
BRUBAKK, ALF O.
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965
BRUCE, R. J.
Microbiological characterization of a regenerative life support system p 515 A95-93808
BRUCHLINSKAIA, N.
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
BRUCKART, JAMES E.
Biomedical imaging
[AD-A282221] p 32 N95-12405
Standards relevant to a NATO anthropometry survey using 3D imaging tools
[AD-A283065] p 39 N95-13055
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489
BRUCKNER, J. V.
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
BRUDIN, L. H.
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
BRUIN, G.
Adaptation and overtraining in horses subjected to increasing training loads
[HTN-95-70076] p 76 A95-62518
BRUMWELL, MARY-LYNNE
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
BRUNO, JOHN G.
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059
BRUSHLINSKAYA, N. V.
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
BRUSTON, P.
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
BRUSTON, PAUL
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727
BRYSON, S.
Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
BUBENHEIM, D. L.
Approaches to resource recovery in controlled ecological life support systems p 514 A95-93774
BUBENHEIM, DAVID L.
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
BUCHANAN, P.
Skeletal muscle responses to unloading in humans p 150 N95-16743
BUCHEN, B.
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions p 408 A95-87491
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
BUCHTHAL, STEVEN
Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise
[HTN-95-A0648] p 284 A95-74349
BUCHTHAL, STEVEN D.
Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040
BUCK, JAMES R.
Human performance in actuating switches during tracking
[HTN-95-A0503] p 259 A95-72574
BUCKLEY, EDWARD
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
BUELTHOFF, HEINRICH H.
How are three-dimensional objects represented in the brain?
[AD-A282367] p 34 N95-11942
BUENSCH, B.
The fluid content of the shell tissues of the human body under different experimental conditions p 437 A95-88564
BUERK, D. G.
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB
[HTN-95-00414] p 323 A95-81931
BUETTNER, GARRY R.
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood
[HTN-95-A0109] p 197 A95-68892
BUGBEE, B.
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792
BUGG, CH. E.
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
BUGROV, V. N.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
BUGUET, ALAIN
Use of a speadsheet program for circadian analysis of biological/physiological data
[HTN-95-01219] p 426 A95-91451
BUHSE, T.
Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis p 131 A95-63877
BUICK, F.
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058
BUIE, ELIZABETH A.
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
BUIJS, R. M.
Netherlands Institute for Brain Research progress report, 1993
[PB95-135398] p 255 N95-21352
BUKASA, BIRGIT
Towards a framework of human factors certification of complex human-machine systems p 542 N95-34779
BUKLANOV, G. V.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
BULA, R. J.
The astroculture flight experiment series, validating technologies for growing plants in space p 476 A95-93763
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
BULLER, MARK J.
Personal hygiene body wipe
[AD-A286092] p 267 N95-22274
BURASTERO, S.
Ergonomic evaluation of the Apple Adjustable Keyboard
[DE95-002393] p 266 N95-21637
BURASTERO, STEVE
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
BURBACH, JAMES A.
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
BURGOON, PENNY W.
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
BURKARD, MARK E.
Oxygen transport to tissue by persistent bubbles: Theory and simulations
[HTN-95-70493] p 228 A95-71515
BURKE, EUGENE F.
Predicting aircraft pilot-training success: A meta-analysis of published research
[HTN-95-92289] p 388 A95-85333
Meta-analysis of aircraft pilot selection procedures p 498 A95-95100
BURLATON, J. P.
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424
BURMEISTER, J.
Self-replicating oligonucleotides p 119 A95-63822
BURNET, HENRI
Relationship between dot-Cr and breathing pattern in mechanically ventilated patients
[HTN-95-70490] p 227 A95-71512
BURNETT, DAVID C.
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
BURNETTE, TARA M.
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912
BURNS, J. W.
G-protection basis/acceleration physiology p 538 N95-34051
G-protection capabilities and current G-protection issues p 538 N95-34060
BURNS, JOHN W.
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941
BURR, RALPH G.
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
BURTON, HAROLD W.
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
BURTON, JOE E.
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161
BURTON, M. D.
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
BURTON, R.
Artificial gravity: How much, how often, how long? p 178 N95-16778

BURTON, R. R.
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
BURTON, RUSSELL R.
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
BUSCIGLIO, HENRY H.
Creation of new items and forms for the Project A Assembling Objects test
[AD-A285522] p 174 N95-18095
BUSSOLETTI, E.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program
p 195 A95-66805
BUTCHER, RICK
The effects of boredom on reaction time in the cockpit
p 510 A95-95209
BUTLER, BARCLAY P.
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147
Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484
BUTLER, I.
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight
p 152 N95-16749
BUTLER, J. P.
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
BUTTERFIELD, G. E.
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
BUTTRUM, S. M.
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
BYRNE, H. K.
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
BYRNE, NEVILLE J.
Comparison of airline passenger oxygen systems
[HTN-95-01217] p 444 A95-91449
BYSTRITSKAYA, A. F.
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
BYSTROM, SVEN
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931

C

CABLE, N. TIMOTHY
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359
CADARETTE, BRUCE S.
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
CADORETTE, J.
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
CAFARELLI, E.
Differential effects of voluntary and involuntary activation on contractile characteristics of two human muscles
[HTN-95-10124] p 64 A95-61975
CAFARELLI, ENZO
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946
CAFERO, EMILIO
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348
CAGNACCI, ANGELO
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378
CAHILL, JOHN
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
CAI, WENQIN
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625
CAILLAUD, C.
Exercise-induced hypoxemia in older athletes
[HTN-95-10071] p 51 A95-61922
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923
CAIN, WILLIAM S.
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
CAIOZZO, VINCENT J.
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
CAIRELLI, J. E.
NASA advanced refrigerator/freezer technology development project overview
[NASA-TM-106309] p 309 N95-23177
CALDERINI, E.
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
CALDWELL, DANIEL J.
Toxicity assessment of liquid propellant XM46
p 387 N95-28319
CALDWELL, JOHN A.
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
CALDWELL, JOHN A., JR.
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
CALDWELL, W. F.
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
CALLAHAN, P. X.
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat
p 45 N95-15135
CALLEJA, MANUEL
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
CALLES-ESCANDON, JORGE
Free fatty acid metabolism in aerobically fit individuals
[HTN-95-50863] p 236 A95-73053
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
CALLISTER, ROBERT C.
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
CALLISTER, ROBIN
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
CALN, CLARENCE P.
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789
CALVET, J. H.
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
CALVO, M. A.
Taxonomy and philogeny: Palaeomycology
p 130 A95-63873
CALVO, R. M.
Taxonomy and philogeny: Palaeomycology
p 130 A95-63873
CAMBRAY, MC.
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645
CAMINITI, STEPHEN P.
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
CAMPAN, R.
Ethological experiments on human orientation behavior within a three-dimensional space-in microgravity
[ISBN-0-08-042485-6] p 15 A95-60684
CANAKAPALLI, SRI
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099
CANFIELD, DENNIS V.
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
CANINE, M. KATHERINE
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
CANTON, JUAN J.
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces
p 162 N95-19418
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
CANTRELL, JAMES M.
Carbon monoxide does not modulate pulmonary vascular reactivity in isolated rat lungs
[AD-A283190] p 143 N95-17714
CANTRELL, JOHN H.
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
Non-invasive method and apparatus for monitoring intracranial pressure and pressure volume index in humans
[NASA-CASE-LAR-13894-1] p 385 N95-26889
CAO, TUAN Q.
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
CAO, W.
Carbon Dioxide interactions with irradiance and termperature in potatoes p 479 A95-93790
Solid matrix and liquid culture procedures for growth of potatoes p 482 A95-93815
Growth of potatoes for CELSS
[NASA-CR-177646] p 37 N95-11949
CAO, Z.-J.
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881
CAPELLI, C.
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
CAPEN, RONALD L.
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
CAPPONI, LOUIS
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
CARAVEL, JEAN-PIERRE
Thyroid hormone changes in a cold air environment after local cold acclimation
[HTN-95-70072] p 75 A95-62514
CARBONARI, RONALD
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control
p 521 A95-95094
CARDINAL, DONNA
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811
CARDUS, DAVID
Artificial gravity as a countermeasure of physiological deconditioning in space
[ISBN 0-08-042485-6] p 15 A95-60683
CARETTI, DAVID M.
Comparison of submaximal cycling and treadmill exercise at similar work rates
[AD-A283430] p 33 N95-12593
CAREW, THOMAS J.
A parallel processing hypothesis for short-term and long-term memory in Aplysia
[AD-A284101] p 174 N95-18401

CAREY, M. F.
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475
CAREY, MICHAEL F.
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
CARL, JAMES A.
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
CARLE, G. C.
Cometary coma chemical composition (C4) mission
p 110 A95-63773
CARLEY, DAVID W.
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
CARLIOZ, R.
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
CARLSON, BRETT
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
CARLSON, DAWN M.
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
CARMODY, JOHN
An overview of underground space as an extreme environment p 24 N95-11611
CARMODY, M. A.
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
CARMODY, MEGHAN
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
CARMODY, MEGHAN A.
Task specific effects of automation and automation failure on performance, workload, and situation awareness p 519 A95-95060
Task-dependent effects of automation: The role of internal models in performance, workload, and situational awareness in a semi-automated cockpit
[AD-A292538] p 470 N95-28969
Current issues in the measurement of military aircrew performance: A consideration of the relationship between available metrics and operational concerns
[AD-A292539] p 470 N95-28970
CARNOCHAN, FIONA M. T.
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
CARON, MARK E.
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
CAROTENUTO, L.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program
p 195 A95-66805
CARRETTA, THOMAS R.
Pilot-candidate selection method: Sources of validity
[HTN-95-A0502] p 259 A95-72573
CARRION, CARLOS A.
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
CARRITHERS, JOE A.
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292
CARSON, ELIZABETH A.
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794
CARSON, JAMES A.
Hypertropy and proliferation of skeletal muscle fibers from aged quail
[HTN-95-21590] p 372 A95-83375
CARTEE, GREGORY D.
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
CARTER, DANIEL C.
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
CARTER, JIM
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
CARTER, JO ELLEN
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
CARUSO, CHRIS
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
CARUTHERS, S. D.
Effects of pulmonary blood flow on the fractal nature of flow heterogeneity in sheep lungs
[HTN-95-A0724] p 302 A95-75293
CARVALHAIS, ANTONIO B.
Crew adaptation evaluation of the Norwegian Crew Concept (NOROREW)
[AD-A288478] p 401 N95-27058
CARVALHO, PAULA
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
CASABURI, RICHARD
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
CASADEMONT, JORDI
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
CASALI, JOHN G.
Speech intelligibility and protective effectiveness of selected active noise reduction and conventional communicatios headsets
[HTN-95-B0075] p 377 A95-85891
CASALINI, STEFANIA
Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503
CASAZZA, GRETCHEN A.
Increased dependence on blood glucose in smokers during rest and sustained exercise
[HTN-95-10054] p 46 A95-61905
CASE, MEL
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost
[SAE PAPER 932100] p 460 A95-90344
CASNER, STEPHEN A.
Understanding the determinants of problem-solving behavior in a complex environment
[HTN-95-20753] p 390 A95-86643
CASSIDY-CURTIS, TIMOTHY G.
Psychological challenges of manned spaceflight
[HTN-95-11448] p 354 A95-79426
CASSUTO, YAIR
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
CASTILLO-ROJAS, SUSANA
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere p 113 A95-63790
CATES, TYLER O.
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338
CAUBERGHS, M.
Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs
[HTN-95-A0662] p 287 A95-74363
CAZECA, MARIO
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
CELIO, PAUL V.
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
Sarcoidosis in US military aviators
p 166 N95-19438
CELMER, E.
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
CERESOLE, ENRICO
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
CERNY, FRANK
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
CERQUEIRA, MANUAL D.
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
CERRETELLI, PAOLO
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
CESARONE, R. J.
Designing planetary protection into the Mars observer mission p 217 A95-66786
CETINGUC, MUZAFFER
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
CHA, KICHUL
Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
[HTN-95-91919] p 344 A95-82021
CHACON, E.
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds
p 110 A95-63776
CHACON, PABLO
Evolution of catalytic networks formed by self-replicative species p 119 A95-63824
CHADHA, M. S.
Biochemical markers in Precambrian sediments - Indian subcontinent p 128 A95-63863
CHAE, E. U.
Hemodynamic responses to passive body tilts
p 86 N95-15096
CHAEMOVITZ, CIDIO
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
CHAGVARDIEFF, P.
Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce
p 479 A95-93793
CHALKER, RICHARD B.
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
CHAMBERLAND, DENNIS
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system
[SAE PAPER 932062] p 466 A95-91641
CHAMBERLIN, R. W.
Confusion on the flight deck p 496 A95-95077
CHAMBERS, ELIZABETH
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
CHAMPEROUX, P.
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
CHAN, WILLIAM W.-C.
Evolution of biocatalysts: Ribozymes may have been preceded by 'chelazymes' p 116 A95-63809
CHANCE, BRITTON
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
CHANDLER, ARI
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
CHANDLER, R. M.
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149
CHANG-LIU, CHIN-MEI
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
CHANG, HUAN-TSUNG
Development of novel separation techniques for biological samples in capillary electrophoresis
[DE95-001672] p 305 N95-22493
CHANG, MU-LAN
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366

CHANG, R. T.
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
CHANG, S.
The Strecker synthesis from interstellar precursors as a source of amino acids in carbonaceous chondrites: Deuterium retention during synthesis
p 108 A95-63765
CHANG, SHERWOOD
Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite p 106 A95-63757
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis
[HTN-95-01238] p 428 A95-91470
CHANG, SHIH-WEN
Evans blue dye in the assessment of permeability-surface area product in perfused rat lungs
[HTN-95-A0155] p 208 A95-68938
TNF potentiates PAF-induced pulmonary vasoconstriction in the rat: Role of neutrophils and thromboxane A(sub 2)
[HTN-95-70497] p 229 A95-71519
CHANG, WEI
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880
CHAPES, S. K.
Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435
CHAPES, STEPHEN K.
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading
[HTN-95-A0113] p 198 A95-68896
CHAPES, STEVEN K.
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
[HTN-95-00430] p 327 A95-81947
CHAPMAN, D. K.
The gravitational plant physiology facility-Description of equipment developed for biological research in spacelab
[HTN-95-80713] p 245 A95-73285
CHAPMAN, KAREN P.
Approaches to the selection of an RNA replicase
p 113 A95-63792
CHARAN, NIRMAL B.
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
CHARBONNIER, F.
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily p 139 A95-63918
CHARBONNIER, FRANCK
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive
p 422 A95-88744
CHARLES, H. CECIL
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
CHARLES, J.
Countermeasure development to space adaptation
p 439 A95-88578
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
CHARLES, JOHN B.
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1)
p 84 N95-14223
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1)
p 84 N95-14224
The relationship between space sickness and preflight diet p 88 N95-15122
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation
p 89 N95-15130
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
CHARLES, STEVE
Man-machine interfaces in health care
p 97 N95-14029
CHASE, JOE
Use of the user action notation at the Naval Research Laboratory Human-Computer Interaction Laboratory
[AD-A281680] p 104 N95-15449
CHATANI, KUNIHIRO
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579
CHATTERJEE, SHARMISTA
Using second law analysis to predict the efficiency of ECLSS subsystems
[SAE PAPER 932061] p 466 A95-91640
CHATTERTON, R. T., JR.
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
CHATURVEDI, ARVIND K.
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
CHATZIIOANNOU, A.
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
CHELAFLORES, J.
Enhancement of biomembrane functions under phase-separated conditions: A self-organized criticality phenomenon?
[DE94-628489] p 308 N95-23053
The origin of chirality in protein amino acids
[DE94-628491] p 308 N95-23058
Molecular relics from chemical evolution and the origin of life
[DE94-628493] p 308 N95-23060
CHELEN, W. E.
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone
p 151 N95-16745
CHEMLA, DENIS
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
CHEN, C.
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
CHEN, CHARLES
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
CHEN, CHUNG-MING
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00428] p 326 A95-81945
CHEN, JIE
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
CHEN, MENGMENG
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
CHEN, QIU-HONG
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
CHEN, SHI-JUAN
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
CHEN, V. W.
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory
p 356 A95-80397
CHEN, WAYNEA
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
CHEN, Y. T.
Continuous and intermittent personal microclimate cooling strategies
[HTN-95-01211] p 425 A95-91443
CHEN, YIU-FAI
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
CHENG, HUAINING
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683
CHEON, SE WOO
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
CHEREVCHENKO, T.
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids
p 410 A95-87501
CHERYCH, N.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
CHESLEY, ALAN
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
CHETIRKIN, P. V.
Performance and reliability of the NASA biomass production chamber p 515 A95-93801
CHETIRKIN, PETER
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
CHEUNG, BOB
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
CHEUNG, JEFFERY T.
Oxygen sensor development for life support
[BTN-95-EIX95042477107] p 213 A95-68352
CHIAR, J. E.
Cosmic evolution of the biogenic elements and compounds
[HTN-95-41238] p 316 A95-75050
CHIBA, YOSHIHIKO
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
CHICARRO, A.
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars p 217 A95-66787
CHICZ-DEMET, ALEKSANDRA
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
CHIERCHIA, SERGIO L.
Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503
CHIHARA, EIICHI
Right atrial pressure and ANP release during prolonged exercise in a hot envionment
[HTN-95-70075] p 76 A95-62517
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
CHIU, CHICHIA
Particle method for population waves
[BTN-94-EIX94341340324] p 27 A95-60860
CHIYOTANI, A.
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942
CHLADEK, JOHN T.
Dexterous Orbital Servicing System (DOSS)
p 316 N95-23723
CHO, MOTOHIRO
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst
p 110 A95-63777
CHOPP, C. S.
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561
CHOU, CHUNG-DI
Cockpit task management errors in a simulated flight operation p 509 A95-95196
CHOU, HUI-HSIEN
A novel computational method to simulate non-enzymatic self-replication p 114 A95-63800
CHRISTENSEN, CARL C.
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627
CHRISTENSEN, NIELS JUEL
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
CHRISTIAN, ERIC L.
Utilization of cofactors expands metabolism in a new RNA world
[HTN-95-A0477] p 230 A95-72548
CHRISTLEY, DENNIS
The hidden messages or a gestalt view of pilot training p 503 A95-95143

CHU, HSING-WEI
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386
CHUBB, GERALD P.
Reliability and validity assessments of task analyses using Miller's terminology p 508 A95-95187
Pathfinder analysis of Miller's task analysis terminology p 510 A95-95208
CHUBURKOV, Y. T.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
CHUGH, D.
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB
[HTN-95-00414] p 323 A95-81931
CHUNG, K. CHUNG
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
CHUNG, K. FAN
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
CHUONG, C. J.
Characterization of fracture toughness of renal calculi using a microindentation technique
[BTN-94-EIX94361122293] p 209 A95-65873
CHURAEV, A. L.
Compact holographic apparatus for stomatology
[HTN-95-61170] p 399 A95-86269
CHURCHILL, MARK
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
CHURCHILL, P.
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
CIGALOTTO, A.
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
CINTRON, N. M.
Effect of antiorthostatic BedRest (BR) on Gastrolntestinal Motility (GIM) of normal subjects p 153 N95-16753
CIOLETTI, LOUIS J.
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
CIONI, R.
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
CLAASSEN, D. E.
Liposome formation in microgravity p 412 A95-87507
CLAASSEN, DALE E.
Formation and vesiculation of biomembranes during spaceflight
[ISBN 0-08-042485-6] p 4 A95-60645
CLAIREMIDI, J.
Possible evidence of hydrocarbons released by the nucleus of Halley's comet p 190 A95-66759
CLANCY, RICHARD L.
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
CLANTON, T. L.
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
CLANTON, THOMAS L.
Effects of N-acetylcysteine on in vitro diaphragm function are temperature dependent
[HTN-95-50874] p 239 A95-73064
CLARK, B. C.
Cometary coma chemical composition (C4) mission p 110 A95-63773
CLARK, BENTON C.
Radiation protection for human interplanetary spaceflight and planetary surface operations p 350 A95-81451
CLARK, DAVID P.
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
CLARK, EDWARD A.
How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501
CLARK, FRANCIS J.
Neural mechanisms of kinesthesia p 96 N95-14018
CLARK, G. B.
Immunolocalization of an annexin-like protein in corn
[ISBN 0-08-042485-6] p 10 A95-60672
CLARK, G. J.
A root moisture sensor for plants in microgravity p 478 A95-93785
CLARK, JOHN W.
Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346
CLARK, MICHAEL G.
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
CLARK, RONALD E.
Commercial flight crew selection for automated flight decks p 521 A95-95099
CLARKE, D. W.
Ultraviolet photochemistry of cyanoacetylene: Application to Titan p 110 A95-63774
CLEARY, J.
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
CLEEK, TAMMY
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA) p 90 N95-15140
CLEMENS, R. E.
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
CLEMENTS, J. A.
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble
[HTN-95-A0114] p 198 A95-68897
CLERC, L.
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310
CLERE, J. M.
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424
CLERE, JEAN-MICHEL
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
CLIFFORD, PHILIP S.
Cardiac receptors modulate the renal sympathetic response to dynamic exercise in rabbits
[HTN-95-60032] p 67 A95-62140
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481
Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
CLIFTON, ROB
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
CLINE, CAMALA C.
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
CLINE, D.
Effect of a chiral impulse on the weak interaction induced handedness in a prebiotic medium p 422 A95-88740
CLOUGH, ANNE V.
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
CLOUGH, JENNIFER
Effects of airway parasympathetic tone on reponses to intravenous bronchoconstrictor agonists in rats
[HTN-95-70489] p 227 A95-71511
CLOUGHERTY, M. JAMES
Microbial control of the space suit assembly for space station freedom
[SAE PAPER 932103] p 461 A95-90347
CLOUTIER, PAUL A.
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320
CLOUTIER, T.
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig
[HTN-95-50892] p 243 A95-73082
CLULOW, JON
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
CO, ELIZABETH L.
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
COAST, J. RICHARD
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
COBURN, R. F.
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
COCEA, L.
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
COCHO, G.
Correlations between structural and chemical properties of amino acids and their place in the genetic code table p 120 A95-63828
COGGAN, ANDREW R.
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971
COGOLI-GREUTER, M.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
Lymphocyte experiment on SLS-1 p 442 A95-88596
COGOLI, A.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
Effect of space flight on the immune system in man p 437 A95-88565
Lymphocyte experiment on SLS-1 p 442 A95-88596
COHEN, BERNARD
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
COHEN, DAVID
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
COHEN, GLENN M.
Development of the chick's auditory ossicle, the columella p 44 N95-15115
Neuronal types in the chicken's statoacoustic ganglion p 44 N95-15116
Structure of avian tectorial, otolithic and cupular membranes p 44 N95-15117
COHEN, JULIE B.
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
COHEN, M.
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
COHEN, M. M.
Human performance in the modern cockpit p 171 N95-16764
COHEN, MARK E.
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
COHEN, MARVIN S.
Taking risks and taking advice: The role of experience in airline pilot diversions p 496 A95-95071
COICOU, CARL
Effects of altered muscle activation on oxidation enzyme activity in rat alpha-motoneurons
[HTN-95-50858] p 235 A95-73048
COIRAULT, CATHERINE
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353

COKER, PAULA J.
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932
COLANGELI, L.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program
p 195 A95-66805
COLASURDO, GIUSEPPE N.
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982
COLBERG, SHERI R.
Increased dependence on blood glucose in smokers during rest and sustained exercise
[HTN-95-10054] p 46 A95-61905
COLBURN, H. S.
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
COLBURN, H. STEVEN
Auditory interfaces: The human perceiver
p 96 N95-14015
COLE, C.
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
COLEBAUGH, JAMES
Marshall Space Flight Center solid waste characterization and recycling improvement study
[NASA-CR-196594] p 402 N95-27164
COLEMAN, R. EDWARD
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
COLEMAN, SHIRLEY
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
COLEMAN, THOMAS F.
Parallel continuation-based global optimization for molecular conformation and protein folding
[DE95-005860] p 432 N95-30114
COLER, C.
The Ames Virtual Environment Workstation: Implementation issues and requirements
p 98 N95-14034
COLL, P.
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature
p 473 A95-89217
COLLINS, WILLIAM E.
Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934
Practical color vision tests for air traffic control applicants: En route center and terminal facilities
[DOT/FAA/AM-95/13] p 393 N95-27323
COLLOMP, K.
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
COLLYER, P. D.
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
COLOMBO, GERALD V.
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
COLQUHOUN, ERIC Q.
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
COMMANDEUR, J.
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797
COMMEYRAS, A.
Investigations about alpha-aminoacid synthesis under prebiotic conditions p 107 A95-63761
COMMISSARIS, D. A. C. M.
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering
[HTN-95-A0623] p 278 A95-74324
COMTOIS, A.
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
COMTOIS, N.
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
CONDRON, BARRY G.
Pair-rule expression patterns of even-skipped are found in both short- and long-germ beetles
[BTN-94-EIX94401310327] p 305 A95-76502
CONFALONIERI, F.
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily p 139 A95-63918
CONFALONIERI, FABRICE
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive
p 422 A95-88744
CONGER, K. A.
Cumulative effects of repeated brief cerebral ischemia
[AD-A284234] p 210 N95-19698
CONN, CAROLE A.
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
CONNELL, GREGORY J.
Utilization of cofactors expands metabolism in a new RNA world
[HTN-95-A0477] p 230 A95-72548
CONNELL, LINDA J.
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649
CONNOLLY, HEIDI
Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10098] p 58 A95-61949
CONNOLLY, JAMES P.
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569
CONNORS, MARY M.
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design
[NASA-TM-108846] p 37 N95-11905
CONSTABLE, S. H.
Continuous and intermittent personal microclimate cooling strategies
[HTN-95-01211] p 425 A95-91443
CONSTABLE, STEFAN H.
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
CONVERTINO, V. A.
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
CONVERTINO, VICTOR A.
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
COOK, GARY W.
Relationships of essence and form in the origin of the genetic system p 136 A95-63905
COOKE, WILLIAM H.
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012
COOLEY, RICHARD A.
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
COOPER, DAN M.
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040
Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise
[HTN-95-A0648] p 284 A95-74349
Ratios and regressions in body size and function: A commentary
[HTN-95-A0677] p 290 A95-74378
COOPER, G. W.
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite
p 190 A95-66762
COOPER, J. F.
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257
COOPER, S.
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
COOPER, THOMAS G.
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
CORCORAN, T. J.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
COREY, KENNETH A.
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system
[SAE PAPER 932062] p 466 A95-91641
CORKER, K.
Cognition and procedure representational requirements for predictive human performance models
p 172 N95-16766
CORKER, KEVIN
Data link air traffic control and flight deck environments: Experiment in flight crew performance
p 510 A95-95202
CORL, LOUIS
Eye accommodation: Use of Vernier optometers in behavioral research
[HTN-95-92293] p 388 A95-85337
CORNET, J.-F.
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
CORNETT, J. D.
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
CORNO, ANTONIO
Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503
COROMINAS, JOSEP M.
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
CORRIS, PAUL A.
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
CORWIN, WILLIAM H.
Synthetic terrain imagery for Helmet-Mounted Display
p 518 A95-95052
COSCIA, D.
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature
p 473 A95-89217
COSGROVE, JOHN M.
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
COSMI, FRANCESCA
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
COSMOVICI, CRISTIANO B.
Prebiotic molecules in comets p 183 A95-63756
COSTA-SARMENTO, GLORIA
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467
COSTE, C. M.
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257

COSTILL, DAVID L.
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930
COTE, M. G.
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
COTTER, JAMES D.
Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847
COTTET-EMARD, J. M.
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
COTTON, D. J.
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940
COUCHMAN, DONALD H.
Eye accommodation: Use of Vernier optometers in behavioral research
[HTN-95-92293] p 388 A95-85337
COULSON, RICHARD L.
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609
COULTER, G.
NASA's Space Life Sciences Training Program
[ISBN 0-08-042485-6] p 12 A95-60689
COURANT, D.
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361
COURET, I.
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923
COURNAC, L.
ECOSIMP2 model: Prediction of CO2 concentration changes and carbon status in closed ecosystems
p 480 A95-93800
COURT, L.
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361
COUTRAKAN, GEORGE B.
The relative biological effectiveness of attenuated protons p 321 A95-81449
COWINGS, PATRICIA S.
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661
COWLES, J.
Seedling growth and development on space shuttle
p 475 A95-93760
COX, BART
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function
[HTN-95-10055] p 46 A95-61906
COX, BRIAN
Telepresence control of a dual-arm dexterous robot
p 316 N95-23735
COXSON, HARVEY O.
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
CRABTREE, MARK S.
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
Developing subjective and objective metrics of pilot situation awareness p 508 A95-95183
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
CRAIB, MITCH
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
CRAIG, BRUCE W.
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
CRAM, SCOTT
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065
CRANDALL, CRAIG G.
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
CRANDALL, JEFF RICHARD
The preservation of human surrogates for biomechanical studies p 537 N95-33312
CRAPO, JAMES D.
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
CRAWFORD, ROBERT E.
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
CREMONA, GEORGE
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
CRENSHAW, A.
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight
p 151 N95-16744
CRESCI, FRANCO
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
CREWS, LAVONNE
Marshall Space Flight Center solid waste characterization and recycling improvement study
[NASA-CR-196594] p 402 N95-27164
CRISMAN, R. P.
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
CRISWELL, DAVID
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060
CRISWELL, S. B.
Lymphocyte experiment on SLS-1
p 442 A95-88596
CRONHJORT, MIKAEL B.
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems
p 119 A95-63825
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems
p 422 A95-88743
CRONIN, J. R.
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite
p 190 A95-66762
CRONIN, JOHN R.
The meteoritic record of presolar and early solar system organic chemistry p 183 A95-63755
CRONIN, THOMAS W.
The unique visual system of the mantis shrimp
[HTN-95-92323] p 376 A95-85367
CROUCH, LARRY D.
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
CROXTON, CRAIG A.
The effects of target orientation on the dynamic contrast sensitivity function
[AD-A281855] p 169 N95-16298
CRUIKSHANK, DALE P.
Life from the stars?
[HTN-95-20821] p 230 A95-72081
CRUMP, WILLIAM J.
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
CRUZ, CRYSTAL
Stabilization of performance on a computer-based version of the multiple task performance battery
p 507 A95-95172
CRUZ, CRYSTAL E.
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
CUA, AGNES
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
CUCHE, J. L.
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
CUCHERAT, MICHEL
Use of a speadsheet program for circadian analysis of biological/physiological data
[HTN-95-01219] p 426 A95-91451
CUCINELL, SAMUEL
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086
CUCINOTTA, ANTONINO
Concordia Station p 23 N95-11602
CUCINOTTA, FRANCIS A.
HZE reactions and data-base development
p 350 A95-81444
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
CUEVAS, ALFREDO
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
CUI, WEI
A study on changes of glycosaminoglycan and minerals in calvariae and vertebrae in rats after exposure to simulated weightlessness
[HTN-95-93123] p 486 A95-95624
CULLEN, WILLIAM R.
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258
CUNNINGHAM, DAVID A.
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
CUNNINGHAM, STEPHEN G.
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864
CUQLOCK-KNOPP, V. G.
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376
CURSTEDT, TORE
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
CURTIS, STANLEY B.
Relating space radiation environments to risk estimates p 321 A95-81446
CUTLER, P. D.
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889
CYMERMAN, A.
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
CYMERMAN, ALLEN
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
CZACHURSKI, JUERGEN
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity
[HTN-95-A0600] p 272 A95-74301
CZERWINSKI, SUSAN M.
Modulation of IGF mRNA abundance during stretch-induced skeletal muscle hypertrophy and regression
[HTN-95-70078] p 76 A95-62520

D

D'ALETTO, T.
Specific effects of irradiance and CO2 concentration doublings on productivity and mineral content in lettuce
p 479 A95-93793
D'ANGELO, E.
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
D'AUNNO, D.
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514
D'ORSI, CARL J.
Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892

D'ORTHO, M. P.
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
DAAMS, B. J.
Human force exertion in user-product interaction. Backgrounds for design
[PB95-132858] p 265 N95-21283
DAANE, E.
Teratogenic effects of gravitational changes
[ISBN 0-08-042485-6] p 8 A95-60664
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528
DAANE, ELIZABETH
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
DACHMAN, WILLIAM D.
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
DAGAN, ARIE
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
DAHAN, E.
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
DAHLBACK, M.
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
DAHLBACK, MAGNUS
Tidal volume and alveolar clearance of insoluble particles
[HTN-95-60057] p 74 A95-62165
DAHLBOM, M.
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
DAHLBOM, MAGNUS
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
DAI, MINGJIA
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
DALEE, ROBERT C.
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
DALLAIRE, M.
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
DALLAIRE, M. J.
Structural composition of lung parenchymal strip and mechanical behavior during sinusoidal oscillation
[HTN-95-A0680] p 291 A95-74381
DALLAL, MOHAMMED M.
Evans blue dye in the assessment of permeability-surface area product in perfused rat lungs
[HTN-95-A0155] p 208 A95-68938
DALLAS, CHAM E.
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
DALSASSO, MICHELE
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
DALY, PAUL K.
Mental rotation with and without a concurrent task: Moderating effects of visuospatial ability
[AD-A281866] p 169 N95-16301
DANDOLOV, I.
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects
p 481 A95-93804
DANESE, D.
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
DANFORTH, ELLIOT, JR.
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
DANILCHIK, M.
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
DANILOV, A. V.
Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268
DANTZER, R.
Interrelations between nervous system and immune system in stress situations
[PB95-135521] p 311 N95-22770
DAOOD, M. J.
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
DARBY, MELODY M.
Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175
DARENBERG, RICHARD G.
Characterization and redesign of the AFIT multielectrode array
[AD-A289295] p 386 N95-27039
DARK, JOHN H.
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
DARLING, STEPHEN R.
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
DARNELL, R. L.
Integrated developmental model of life-support capabilities in wheat
[NASA-CR-196428] p 14 N95-11218
DAROCZY, BALINT
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
DARQUENNE, CHANTAL
One-dimensional simulation of aerosol transport and deposition in the human lung
[HTN-95-70494] p 228 A95-71516
DARR, KEVIN C.
Acute effects of hindlimb unweighting on satellite cells of growing skeletal muscle
[HTN-95-10059] p 48 A95-61910
DARVILL, A. G.
Structural studies of complex carbohydrates of plant cell walls
[DE95-003099] p 310 N95-24075
Structural studies of complex carbohydrates of plant cell walls
[DE95-005545] p 345 N95-24368
DAS, B. B.
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
DAS, D. K.
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels
p 361 A95-82587
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590
DAS, VALLABH E.
Head perturbations during walking while viewing a head-fixed target
[HTN-95-01208] p 466 A95-91440
DASARO, D.
The Ames Virtual Environment Workstation: Implementation issues and requirements
p 98 N95-14034
DASILVA, L. B.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
DASSEL, A. C. M.
Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421282944] p 320 A95-78955
DAUGHERTY, M. O.
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289
DAUWALDER, M.
Immunolocalization of an annexin-like protein in corn
[ISBN 0-08-042485-6] p 10 A95-60672
DAVID, P. P.
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
DAVIDSON, BRIAN
Effects of acute lung injury on dynamic tissue properties
[HTN-95-70488] p 227 A95-71510
DAVIES, COLIN
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
DAVIES, PHIL
Centrifuges in gravitational physiology research
p 91 N95-15147
DAVIS, BRIAN K.
Complexity acquisition during prebiotic evolution
p 119 A95-63823
DAVIS, C. C.
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
DAVIS, C. R.
Novel sensor technology for monitoring and control of critical plant nutrient parameters p 478 A95-93786
DAVIS, CABELL S.
Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder
[AD-A289725] p 430 N95-28685
DAVIS, DAVID C.
Acoustic calibration apparatus for calibrating plethysmographic acoustic pressure sensors
[NASA-CASE-LAR-14977-1] p 253 N95-20763
DAVIS, HAROLD
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941
DAVIS, J. M.
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
DAVIS, JAMES A.
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338
DAVIS, JOEL L.
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
DAVIS, KAREN L.
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
DAVIS, MICHAEL
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
DAVIS, S.
Effects of hypergravity on immunologic function
[HTN-95-60848] p 319 A95-78302
DAVIS, S. E.
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
DAVIS, SHARON A.
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
DAVY, KEVIN P.
Total blood volume in healthy young and older men
[HTN-95-70096] p 92 A95-62538
Maximal aerobic capacity and total blood volume in highly trained middle-aged and older female endurance athletes
[HTN-95-A0643] p 283 A95-74344
DAVYDOV, O. V.
The reverse genetic code and the central dogma of molecular biology p 120 A95-63829
DAWN, FREDERIC S.
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
DAWSON, C. A.
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
DAWSON, CHRISTOPHER A.
Influence of hypoxia and serotonin on small pulmonary vessels
[HTN-95-10073] p 51 A95-61924
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree
[HTN-95-A0121] p 200 A95-68904
Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294

DAWSON, J. M.
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
DAWSON, RICHARD H.
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
DAWSON, ROSAMARY
Coping and adaptation: Theoretical and applied perspectives
[AD-A290513] p 455 N95-29090
DAY, FRANK P., JR.
Root growth and development in response to CO2 enrichment
[NASA-CR-196154] p 142 N95-16429
DAYHOFF, J. E.
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell
p 118 A95-63820
DE AMORIM, HELIO SALIM
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468
DE BERGH, C.
Isotopic ratios in planetary atmospheres
p 218 A95-66806
DE BOCK, VERA
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
DE BOER, R. W.
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
DE CANNIERE, DIDIER
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333
DE CATERINA, RAFFAELE
Distribution function of transit times in the human pulmonary circulation
[HTN-95-10133] p 66 A95-61984
DE CHAMBURE, D.
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
DE DUVE, CHRISTIAN
From protometabolism to metabolism
p 136 A95-63904
DE GROOT, G.
Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects
[HTN-95-50860] p 236 A95-73050
DE HAAN, A.
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
DE JUAN, EMILIO
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
DE KONING, J. J.
Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects
[HTN-95-50860] p 236 A95-73050
DE LOOZE, M. P.
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering
[HTN-95-A0623] p 278 A95-74324
DE LUCA, CARLO J.
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
DE MAZIERE, A.
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
DE PABLO-GALAN, L.
Site of adsorption of nucleic bases and their derivatives on clay surfaces p 112 A95-63789
DE REE, HANS
On-board crew-rest facilities p 522 A95-95134
DE REE, HANS J. D.
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
DE SANCTIS, G. T.
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943
DE SOUZA-BARROS, FERNANDO
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468
DE VANNSAY, E.
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature
p 473 A95-89217
DE VANSSAY, ETIENNE
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727
DE WIJK, RENE A.
Odor identification by name and by edibility: Life-span development and safety
[HTN-95-B0117] p 398 A95-85933
DEARBORN, A. S.
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption
p 155 N95-16779
DEARBORN, ALAN S.
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
DEATON, JOHN
The impact of automation on crew communication and performance p 501 A95-95125
DEBELL, L.
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659
DEBELL, LYNNETTE
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653
DEBRECZENY, MARTIN PAUL
Comparison of the rate constants for energy transfer in the light-harvesting protein, C-phycocyanin, calculated from Foerster's theory and experimentally measured by time-resolved fluorescence spectroscopy
[DE94-014961] p 306 N95-22590
DECARLI, B.
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645
DECHAUX, MICHELE
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
DECLEENE, DONALD F.
Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755
DECOUT, JEAN-LUC
Catalytic studies of biomimetic molecular systems and origin of life p 116 A95-63807
N6-substituted adenine derivatives and RNA primitive catalysts
[HTN-95-A0478] p 230 A95-72549
DECRAMER, MARC
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
DEEGEN, E.
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
DEES, H. C.
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
DEGRAAF, BERND
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
DEHOYOS, DIEGO
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661
DEIMLER, J. D.
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
DEIMLER, JIM D.
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
DEITZER, GERALD F.
Physiological and genetic characterization of plant growth and gravitropism in LED light sources
p 143 N95-18173
DEKEYSER, VERONIQUE
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems
p 544 N95-34787
DEKHUIJZEN, P. N. RICHARD
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
DEKKER, SIDNEY W. A.
Mail pilots and mischief: Meeting goals and violating rules p 510 A95-95200
DEL FABBRO, MASSIMO
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
DELAMERE, F.
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
DELCROIX, MARION
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
DELEMOS, R.
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
DELL'AVERSANA, P.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program
p 195 A95-66805
DELLA ROCCO, PAMELA S.
Shift work, age, and performance: Investigation of the 2-2-1 shift schedule used in Air Traffic Control facilities I. The sleep/wake cycle
[DOT/FAA/AM-95/19] p 456 N95-29261
DELLAROCCO, PAMELA S.
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204
DELLINGER, JOHN A.
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561
DELPECH, M.
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707
DELSEMME, A. H.
The cosmic origin of prebiotic molecules
p 106 A95-63749
Cometary origin of the biosphere: A progress report
p 189 A95-66757
DELUCAS, L. J.
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
DELVALLE, JOSE B.
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces
p 162 N95-19418
DELZELL, SUSANNE
Crew performance and communication: Performing a terrain navigation task p 506 A95-95169
Navigational demands of low-level helicopter flight
p 506 A95-95171
DEMARIA-PESCE, VICTOR H.
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
DEMERS, LAURENCE M.
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977
DEMIDOV, V. V.
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
Modern aspects of planetary protection and requirements to sterilization of space hardware
p 216 A95-66785
DEMPSEY, JEROME A.
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep
[HTN-95-10097] p 57 A95-61948

Apnea after normocapnic mechanical ventilation during NREM sleep
[HTN-95-50876] p 239 A95-73066
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349

DEMPSTER, W.
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: Initial results from biosphere 2 p 516 A95-93814

DEMPSTER, W. F.
Methods for measurement and control of leakage in CELSS and their application and performance in the biosphere 2 facility p 515 A95-93802

DEMPSTER, WILLIAM F.
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171

DEMUL, F. F. M.
Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421282944] p 320 A95-78955

DEMYANOV, G. V.
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075

DENG, JIALING
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828

DENNER, EWALD
On the isolation of halophilic microorganisms from salt deposits of great geological age p 28 N95-11966

DEREFELDT, G.
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864

DERENDYAEVA, T.
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761

DERION, TONIANN
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105

DEROSHIA, C.
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740

DEROSHIA, C. W.
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135

DES MARAIS, D.
Site selection for Mars exobiology p 215 A95-66771

DESAINTVINCENT, ARNAUD
Formalizing procedures for operations automation, operator training and spacecraft autonomy p 315 N95-23720

DESCHENES, MICHAEL R.
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948

DESROCHERS, GILLES
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058

DESROSIERS, M. F.
Cellular responses to endogenous electrochemical gradients in morphological development p 408 A95-87489

DEUTSCH, T. F.
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535

DEUTSCHMAN, ROBERT A., III
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941

DEVIDTS, G.
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645

DEVINCENZI, D. L.
An exobiology science strategy for Mars exploration p 186 A95-63901
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Exobiological exploration of Mars p 215 A95-66770

DEVOLL, J. R.
The NAMI syncope test battery and clinical decision-making in aviators with syncope p 164 N95-19428

DEVONIN, E. E.
Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268

DEVRIES, SHERRI M.
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105

DI GIULIO, MASSIMO
The phylogeny of tRNA molecules and the origin of the genetic code
[HTN-95-10289] p 140 A95-64051

DI PRAMPERO, P. E.
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013

DIAMANT, MARCUS
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294

DIAMOND, SHIRLEY G.
Validation of the otolith asymmetry hypothesis as a cause of space motion sickness p 438 A95-88572

DIAMOND, STANLEY
Excimer laser photorefractive keratectomy (PRK) for myopia - present status: Aerospace considerations
[HTN-95-12214] p 429 A95-91914

DIAZ-VILLAGOMEZ, E.
The early evolution of metabolic pathways p 132 A95-63880
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798

DIAZ, PHILIP T.
Effects of N-acetylcysteine on in vitro diaphragm function are temperature dependent
[HTN-95-50874] p 239 A95-73064

DICARLO, CHERYL D.
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789

DICARLO, STEPHEN E.
Daily exercise improved blood pressure homeostasis of rats subjected to surgical stress
[HTN-95-60038] p 69 A95-62146

DICELLO, JOHN F.
The relative biological effectiveness of attenuated protons p 321 A95-81449

DICKSON, W. C.
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397

DIDELOT, F.
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422

DIETZ, NIKI M.
Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537

DIFTLER, MYRON
Telepresence control of a dual-arm dexterous robot p 316 N95-23735

DIGBY, JUSTIN D.
Setting the stage for the emergence of the configurationally one-sided biosphere p 129 A95-63869

DIGBY, W. M.
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889

DIGIUSEPPE, T. G.
Optical sensors for monitoring and control of plant growth systems p 478 A95-93787

DILLAMAN, RICHARD M.
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540

DILLARD, ROBERT M.
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667

DILLMAN, WOLFGANG H.
Skeletal muscle ischemia and heat shock proteins
[AD-A285364] p 252 N95-20549

DILLMANN, R.
Biochemical constraints for survival under martian conditions p 192 A95-66778
ERA-experiment 'space biochemistry' p 404 A95-83984

DILLMANN, RITA
The stability of DNA in extreme dryness p 135 A95-63894

DINAUER, W. R.
The astroculture flight experiment series, validating technologies for growing plants in space p 476 A95-93763

DING, ZHAO-PING
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099

DING, ZHAOPING
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625

DING, ZI PING
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA p 115 A95-63802
Oligomerization of nucleotide imidazolides on Na(+)-montmorillonite clay: A model for the prebiotic synthesis of RNA p 122 A95-63836

DINGES, DAVID F.
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792

DINMORE, A. J.
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528

DIONNE, STEVE
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost
[SAE PAPER 932100] p 460 A95-90344

DIPIPPO, S.
Planetary stations and Abyssal Benthic Laboratories: An overview of parallel approaches for long-term investigation in extreme environments p 316 N95-23732

DIPRAMPERO, P. E.
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans p 88 N95-15120

DISCENNA, ALFRED O.
Head perturbations during walking while viewing a head-fixed target
[HTN-95-01208] p 466 A95-91440

DISMUKES, R. K.
Human performance in the modern cockpit p 171 N95-16764

DITZLER, W. R.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489

DO, S.
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739

DOBRIJEVIC, M.
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015

DODAM, JOHN R.
Effect of fluoride on cardiopulmonary function and release of eicosanoids in pigs
[HTN-95-91898] p 339 A95-82000

DODD, STEPHEN
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060

DODDS, WYLIE J.
Coordination between respiration and swallowing: Respiratory phase relationships and temporal integration
[HTN-95-60048] p 71 A95-62156

DOERR, D. F.
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746

DOERR, DONALD F.
Electromyostimulation, circuits and monitoring
[NASA-TM-110741] p 492 N95-30846

DOERSCHUK, C. M.
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
DOERSCHUK, CLAIRE M.
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
DOLAN, NANCY J.
A comparison of performance with visual and auditory displays in a simulated target localization task
p 517 A95-95042
DOLGIN, D. L.
Computer-based psychomotor tests in optimal training track assignment of student naval aviators
[AD-A283720] p 175 N95-18414
DOLGIN, DANIEL L.
Personality tests in an enhanced pilot selection model
p 498 A95-95102
DOLLAR, C. S.
Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers
[DOT/FAA/AM-94/13] p 19 N95-10144
DOM, RENE
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
DOMANKEVITZ, YACOV
Effects of irradiance and spot size on pulsed holmium laser ablation of tissue
[BTN-94-EIX94421282961] p 349 A95-78961
DOMARATSKAYA, E. I.
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529
DOMINGUEZ, CYNTHIA
Situation awareness: Papers and annotated bibliography
[AD-A284752] p 173 N95-18084
DONELLI, PAOLO
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
DONG, HAINAN
Deeper-penetrating waves in lossy media
p 424 A95-90934
DONG, L.-Y.
Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304
DONNELLY, DAVID F.
Effect of Na(+) and K(+) channel blockade on baseline and anoxia-induced catecholamine release from rat carotid body
[HTN-95-70467] p 222 A95-71489
DONOHUE-PERRY, MARY M.
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
DONOVAN, CASEY M.
Endurance training fails to inhibit skeletal muscle glucose uptake during exercise
[HTN-95-70074] p 75 A95-62516
DORA, KIM A.
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311
DORAN, P.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
DOREY, K.
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
DORMAN, L. I.
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775
DORMONT, D.
Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361
DOSE, K.
Biochemical constraints for survival under martian conditions p 192 A95-66778
ERA-experiment 'space biochemistry'
p 404 A95-83984
DOSE, KLAUS
The stability of DNA in extreme dryness
p 135 A95-63894
DNA stability and survival of Bacillus subtilis spores in extreme dryness p 423 A95-88748
DOUKAS, A. G.
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
DOURNON, C.
In vivo fertilization and development in microgravity using pleurodele ('Zeus' project)
[ISBN 0-08-042485-6] p 9 A95-60667
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight
p 415 A95-87523
Peptidase-1 expression in some organs of the salamander Pleurodeles waltl submitted to a 12-day space flight p 415 A95-87524
DOUSE, MARK A.
Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
DOWLING, ELIZABETH
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963
DOYAL, ROY
Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971
DOYLE, NICHOLAS A.
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
DOYLE, THOMAS P.
Effect of Na(+) and K(+) channel blockade on baseline and anoxia-induced catecholamine release from rat carotid body
[HTN-95-70467] p 222 A95-71489
DRAEGER, J.
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853
DRAZEN, J. M.
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig
[HTN-95-50892] p 243 A95-73082
DREFELDT, BJOERN
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
DRENNAN, ARTHUR P.
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
DRESCHEL, T. W.
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity
p 476 A95-93765
A root moisture sensor for plants in microgravity
p 478 A95-93785
DREUTE, J.
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
DREW, CHARLES
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
DREW, CHARLES R.
Delayed pilot recognition in lost communication events
p 520 A95-95086
DREWS, M.
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
DREWS, M. E.
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
DRISCOLL, KEVIN E.
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359
DRISCOLL, PATRICIA
Free fatty acid metabolism in aerobically fit individuals
[HTN-95-50863] p 236 A95-73053
DRISCOLL, T.
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
DRISCOLL, THEDA B.
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
DRISS-ECOLE, D.
Transduction of the gravity stimulus in the root statocyte
[ISBN 0-08-042485-6] p 2 A95-60634
DRIVER, G. E.
Evaluation of Pureau water for use as emergency drinking water for ADF aircraft
[MRL-TN-648] p 181 N95-19502
DROBINA, T. P.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
DROPPERT, PIETER M.
A review of muscle atrophy in microgravity and during prolonged bed rest
[HTN-95-90825] p 250 A95-71340
DROST, E. M.
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
DROUGAS, HOLLY J.
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
DRUMMER, C.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
DRYSDALE, A.
Object-oriented model-driven control
p 515 A95-93799
DRYSDALE, ALAN
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
DSOUZA, LISA
Equally parsimonious pathways of RNA evolution may not be equally valid p 136 A95-63906
Experimental investigation of an RNA sequence space
[HTN-95-A0484] p 231 A95-72555
DU, C. W.
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
DUAN, C.
Effect of endurance training on activators of glycolysis in muscle during exercise
[HTN-95-60042] p 70 A95-62150
DUBOIS, LINDA M.
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
DUBOIS, MARC
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
DUBRAY, CLAUDE
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
DUBROVIN, L.
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
DUCHARME, M. B.
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
DUCHARME, MICHEL B.
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534
DUDEK, F. E.
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization
[AD-A284111] p 143 N95-18439
DUDLEY, G.
Skeletal muscle responses to unloading in humans
p 150 N95-16743
DUDLEY, GARY A.
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
DUFF, BRIAN
The great lunar quarantine
[HTN-95-A0582] p 384 A95-83162
DUFFIN, JAMES
Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
DUGUET, M.
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily p 139 A95-63918
DUGUET, MICHEL
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive
p 422 A95-88744

DUHAYLONGSOD, FRANCIS G.
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
DUKE, J.
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528
DUKE, P. J.
Teratogenic effects of gravitational changes
[ISBN 0-08-042485-6] p 8 A95-60664
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514
DUKE, P. JACKIE
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
DUMAY, A. C.
High performance computing for medical image interpretation
[AD-A285457] p 210 N95-19537
DUNCAN, TIMOTHY B.
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
DUNCANSON, JAMES P.
Visual and auditory symbols: A literature review
[AD-A290222] p 472 N95-29908
DUNHAM, ANDREW
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341
DUNLOP, E. H.
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
DUNSKY, BETSY
Techniques for optimal crop selection in a controlled ecological life support system p 37 N95-11962
DUPONT-VERSTEEGDEN, ESTHER E.
Voluntary exercise decreases progression of muscular dystrophy in diaphragm of mdx mice
[HTN-95-A0647] p 284 A95-74348
DUPRAT, A. M.
In vivo fertilization and development in microgravity using pleurodele ('Zeus' project)
[ISBN 0-08-042485-6] p 9 A95-60667
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
The Pleurodele, an animal model for space biology studies p 414 A95-87522
DURAND, JOAN
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
DUREAU, G.
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
DUREAU, P.
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
DURKIN, A. J.
Phantoms for fluorescence spectroscopy
p 435 A95-87830
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence
p 435 A95-87832
DURLACH, N. I.
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
DURLACH, NATHANIEL I.
Human Machine Interfaces for Teleoperators and Virtual Environments
[NASA-CP-10071] p 96 N95-14013
Manual discrimination of force p 102 N95-14057
DURSTINE, J. LARRY
Effects of maximal exercise and venous occlusion on fibrinolytic activity in physically active and inactive men
[HTN-95-50859] p 235 A95-73049
DUSCHA, BRIAN D.
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
DUSSAP, C.-G.
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366
DUTCHER, F. RONALD
Progress in plant research in space
[ISBN 0-08-042485-6] p 5 A95-60652
DUVAL, E.
Can biological homochirality result from a phase transition? p 130 A95-63871
Can biological homochirality result from a phase transition? p 422 A95-88741
DUVOISIN, M. R
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance
p 156 N95-16781
DVORAK, A.
Medication in the course of active flying duty
p 168 N95-19443
DWORKIN, JASON P.
Urazole is a potential precursor to uracil
p 107 A95-63762
Prebiotic synthesis of hydroxymethyluracil and some t-RNA bases p 108 A95-63763
DYCK, DAVID J.
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
DYKE, CHRISTOPHER K.
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
DZIADOS, JOSEPH E.
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948

E

EASTERLY, C. E.
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548
EASTWOOD, PETER R.
Ventilatory responses to inspiratory threshold loading and role of muscle fatigue in task failure
[HTN-95-10064] p 49 A95-61915
EATON, JOHN W.
Hemoglobin-based blood substitutes and enhanced susceptibility to bacterial infections
[AD-A281023] p 148 N95-16444
EBADIAN, M. A.
Fluid flow and heat transfer in the crescent-shaped lumen catheter
[BTN-94-EIX94361122408] p 209 A95-65904
EBERT, THOMAS J.
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function
[HTN-95-10055] p 46 A95-61906
ECHARD, JIM D.
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214
ECKARDT, IRINA
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
ECKBERG, DWAIN L.
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Effects of weightlessness on human baroreflex function p 154 N95-16770
ECKMANN, D. M.
Intra-airway CO2 distribution during airway insufflation in ventilatory failure
[HTN-95-91895] p 338 A95-81997
EDELMAN, SHIMON Y.
How are three-dimensional objects represented in the brain?
[AD-A282367] p 34 N95-11942
EDFELDT, HAKAN
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin
[HTN-95-10069] p 50 A95-61920
EDMISTON, ROBERT W.
Improving situation awareness displays for air traffic controllers p 520 A95-95088
EDWARDS, J. S. A.
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
EDWARDS, MARK B.
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
EDWARDS, MARK T.
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
EDWARDS, R. H. T.
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
EFFENHAUSER, RAINER K.
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360
EFFROS, RICHARD M.
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
EFREMOV, A. V.
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139
EFTEDAL, O.
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665
EGGEMEIER, F. T.
Subjective workload assessment in a spatial memory task
[AD-A289491] p 391 N95-26825
EGGEMEIER, F. THOMAS
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task
p 508 A95-95179
EGGINTON, S.
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
EGLI, MARTIN
A hypothesis: Reciprocal information transfer between oligoribonucleotides and oligopeptides in prebiotic molecular evolution
[HTN-95-10294] p 141 A95-64056
EGOROV, A. D.
Cardiovascular system and its regulation in space flights p 439 A95-88577
EGUCHI, TAKEHIKO
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
EHRENFREUND, P.
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797
EICHSTADT, F. T.
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
EIGEN, MANFRED
The origin of genetic information p 123 A95-63843
EINSTEIN, J. RALPH
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
EINVIK, EVA HELGESEN
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
EISENBERG, HERBERT A.
Blood flow, mitochondria, and performance in skeletal muscle after denervation and reinnervation
[HTN-95-60043] p 70 A95-62151
EL-FAKAHANY, ESAM E.
Coupling of brain muscarinic receptors to second messengers
[AD-A290498] p 450 N95-29153
EL-SAYED, M.
The electrical behaviour of an excitable cell at different conditions
[DE95-607911] p 381 N95-27254
ELBON, CONSTANCE L.
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
ELDREDGE, DONALD
An approach to modeling pilot memory and developing a taxonomy of memory errors p 496 A95-95075
ELENA, SANTIAGO F.
Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world
p 120 A95-63830

ELEY, MICHAEL H.
Marshall Space Flight Center solid waste characterization and recycling improvement study
[NASA-CR-196594] p 402 N95-27164
ELIEZER, DAVID
Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897
ELKHAMMARI, A.
Changes of contractile responses due to simulated weightlessness in rat soleus muscle
[ISBN 0-08-042485-6] p 11 A95-60677
ELLERMEYER, S. F.
Competition in the chemostat: Global asymptotic behavior of a model with delayed response in growth
[BTN-94-EIX94341340323] p 27 A95-60859
ELLIOTT, ANN R.
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Inhomogeneity of pulmonary perfusion during sustained microgravity on SLS-1
[HTN-95-10102] p 59 A95-61953
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
ELLIOTT, BILL
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629
ELLIOTT, F. S.
First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918
ELLIS, GREGORY S.
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306
ELLIS, JAMES L.
Development of an in vitro model assay system for the evaluation of the effects of toxic chemicals on human airways
[AD-A285074] p 148 N95-16491
ELLIS, R.
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
ELLIS, STEPHEN R.
Simulation fidelity of a virtual environment display
[HTN-95-B0112] p 398 A95-85928
Human Machine Interfaces for Teleoperators and Virtual Environments
[NASA-CP-10071] p 96 N95-14013
Varieties of virtualization p 98 N95-14036
ELORRIAGA, A.
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
ELROS, M. REVIRIEGO
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell
p 118 A95-63820
ELTON, TERRY S.
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
EMEIS, J. J.
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
EMERY, CATHY D.
Practice effects on the WOMBAT device
p 498 A95-95097
EMERY, JEFF
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
ENDECOTT, BOYD R.
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
ENDERLE, JOHN D.
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin-Huxley model of a neuron
[AD-A293821] p 493 N95-31552
ENDERS, KEVIN
M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361
ENDSLEY, MICA R.
Individual differences in pilot situation awareness
[HTN-95-40884] p 259 A95-72261
Information presentation for expert systems in future fighter aircraft
[HTN-95-92291] p 397 A95-85335
Information presentation for expert systems in future aircraft cockpits p 516 A95-95038
Situation awareness and workload flip sides of the same coin p 508 A95-95185
Objective evaluation of situation awareness for dynamic decision makers in teleoperations p 100 N95-14047
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655
ENGDAHL, U.
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
ENGEL, B. A.
Machine vision monitoring of plant health
p 478 A95-93784
ENGEL, L. A.
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950
ENGEL, M. H.
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
ENGELKE, KEITH A.
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
ENGELKEN, EDWARD J.
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin-Huxley model of a neuron
[AD-A293821] p 493 N95-31552
ENGLAND, ANTHONY W.
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124
ENGLAND, SANDRA J.
Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
ENGLE, RANDALL W.
Role of working memory limitations of retrieval
[AD-A280032] p 261 N95-20007
ENGLISH, DEAN
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
ENGRAND, C.
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765
ENOKA, ROGER M.
Training-related enhancement in the control of motor output in elderly humans
[HTN-95-70457] p 220 A95-71479
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
EPPERSON, SEAN T.
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475
EPPLER, DEAN B.
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design
[NASA-TM-108846] p 37 N95-11905
EPSTEIN, PAUL
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
EPSTEIN, Y.
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
ERICKSON, B. K.
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
ERICKSON, BRADLEY S.
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147
ERIKSEN, MORTEN
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297
ERIKSSON, LARS
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
ERMENTROUT, G. B.
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861
ERNEST, DAVID
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
ERTEM, GOEZEN
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA
p 115 A95-63802
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC
p 116 A95-63808
ERTL, A. C.
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption
p 155 N95-16779
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
ERTL, ANDREW C.
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810
ERWIG, LARS P.
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
ESCH, HARALD
Thermoregulation in bees
[HTN-95-00507] p 375 A95-83387
ESCHENMOSER, A.
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466
ESCHENMOSER, ALBERT
Chemistry of potentially prebiological natural products
p 106 A95-63746
Chemistry of potentially prebiological natural products
[HTN-95-10288] p 140 A95-64050
ESCHWEILER, U.
Biological samples in comet simulation experiment (KOSI-11) p 140 A95-63926
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I
p 404 A95-83983
ESCOURROU, P.
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886
Noninvasive determination of Cardiac Output
[PB95-208310] p 531 N95-32611
ESKOV, K. N.
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
ESMORE, DONALD S.
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
ESPERSEN, KURT
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
ESPINOSA, ISMAEL
Neurodynamic oscillators p 311 N95-22987
ESPOSITO, FABIO
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
ESSER, KARYN A.
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343
ESSFELD, D.
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137

ESSIG, DAVID A.
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343

ESTENNE, M.
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950

ESTENNE, MARC
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes
[HTN-95-60056] p 73 A95-62164

EVANDER, EVA P.
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304

EVANS, GLENDA L.
Spaceflight results in depressed cancellous bone formation in rat humeri
[HTN-95-01215] p 426 A95-91447

EVANS, J.
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722

EVANS, J. M.
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748

EVANS, M. L.
Correlations between changes in electrical parameters and changes in cell elongation rates in gravistimulated roots
[ISBN 0-08-042485-6] p 5 A95-60648

EVANS, R. D.
Control of microorganisms in flowing nutrient solutions p 481 A95-93807

EVANS, RONALD J.
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875

EWART, MICHAEL K.
Investigation of lunar base thermal control system options
[SAE PAPER 932112] p 462 A95-90353

EWELL, MARK G.
Aviation psychology, group dynamics and human performance issues in anesthesiology p 499 A95-95111

EYAL-GILADI, H.
A direct approach to the study of the effect of gravity on axis formation in birds
[ISBN 0-08-042485-6] p 8 A95-60663

EZE, M. O.
Membrane phase separations, asymmetry and implications in the origin of life
[DE94-628486] p 308 N95-23050
Enhancement of biomembrane functions under phase-separated conditions: A self-organized criticality phenomenon?
[DE94-628489] p 308 N95-23053

F

FABRIS, SUZANNE
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300

FACIUS, R.
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730

FACY, P.
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424

FADEN, ALAN I.
Georgetown Institute for Cognitive and Computational Sciences
[AD-A289775] p 457 N95-29458

FAGETTE, S.
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675

FAGETTE, SOPHIE
Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats
[HTN-95-91917] p 344 A95-82019

FALDUTO, M. T.
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144

FALDUTO, MICHAEL T.
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343

FALK, B.
Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903

FALKEL, J. E.
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972

FAN, G. Y.
Phosphate microaggregates in Archean sediments p 135 A95-63897

FANCHI, L.
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345

FANTON, J. W.
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673

FANTON, JOHN W.
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight p 42 N95-15094
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941

FARAFONOV, N. S.
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655

FAREH, J.
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675

FAREH, JEANNETTE
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163

FARINA, MARCOS
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468

FARKAS, GASPAR A.
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats
[HTN-95-50857] p 235 A95-73047
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060

FARMER, J.
Site selection for Mars exobiology p 215 A95-66771

FARMER, MARK A.
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927

FARRANCE, B.
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356

FARRANCE, M.
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767

FARRE, RAMON
Human lung impedance from spontaneous breathing frequencies to 32 Hz
[HTN-95-10117] p 62 A95-61968
T model partition of lung and respiratory system impedances
[HTN-95-00427] p 326 A95-81944

FARRELL, PETER A.
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531

FARTHOFER, ALOIS
Leadership-behavior in high-tech-cockpits (A 320) p 500 A95-95116

FASMAN, GERALD D.
Conformation of membrane proteins: Bacteriorhodopsin
[AD-A281282] p 30 N95-13373

FATOUROS, J.
Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932

FAULK, D. M.
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761

FAULKNER, JOHN A.
Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482

FAUST, MICHAEL B.
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397

FAWCETT, THOMAS A.
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979

FEAGA, A. C.
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981

FEBBRAIO, M. A.
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475

FEBBRAIO, MARK, A.
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142

FEDORCHUK, R. V.
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075

FEDOROVA, T. N.
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264

FEISTER, ALAN J.
Acute radiation sickness amelioration analysis
[AD-A279084] p 256 N95-21629

FEIT, M. D.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

FELD, M. S.
Using laser spectroscopy to diagnose disease p 434 A95-87829

FELDMAN, H.
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig
[HTN-95-50892] p 243 A95-73082

FELDMAN, L. J.
Physiological, biochemical and molecular processes associated with gravitropism in roots of maize
[ISBN 0-08-042485-6] p 10 A95-60671

FELTMEYER, TIMOTHY L.
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341

FELTOVICH, PAUL J.
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609

FENCHEL, TOM
The evolution of life without oxygen
[HTN-95-42101] p 375 A95-83867

FENG, MEIFU
Mammalian cell cultivation in space p 27 A95-61564

FEO, J.
Implementation and performance of the pseudoknot problem in Sisal
[DE95-009573] p 487 N95-32358

FERGUSON, F.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805

FERMUELLER, CORNELIA
The synthesis of vision and action
[AD-A285453] p 174 N95-18094

FERNJALLAH, M.
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708

FERNLEY, J. E.
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001

FERRALL, J. F.
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194
FERRER, C. F., JR.
Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854
FERRIS, J. P.
Ultraviolet photochemistry of cyanoacetylene: Application to Titan p 110 A95-63774
FERRIS, JAMES P.
ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993
[HTN-95-40049] p 105 A95-63744
Separation and characterization of high molecular weight oligomers from ImpA and volclay reaction p 112 A95-63785
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA p 115 A95-63802
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC p 116 A95-63808
Effect of leaving group on the oligomerization of 5'-AMP on montmorillonite p 121 A95-63834
Kinetics of dimerization and oligomerization of the 5'-phosphorimidazolide of adenosine on Na(+)-montmorillonite p 121 A95-63835
Oligomerization of nucleotide imidazolides on Na(+)-montmorillonite clay: A model for the prebiotic synthesis of RNA p 122 A95-63836
The potential for prebiotic synthesis in hydrothermal systems p 138 A95-63915
Catalysis and prebiotic RNA synthesis
[HTN-95-A0479] p 231 A95-72550
ISSOL Meeting, Barcelona, Spain, 1993
[HTN-95-92680] p 419 A95-88726
FERRY, ARNAUD
Sex as a determining factor in the effect of exercise on in vivo autoimmune response adjuvant arthritis
[HTN-95-10116] p 62 A95-61967
Effect of muscular exercise on chronic relapsing experimental autoimmune encephalomyelitis
[HTN-95-50862] p 236 A95-73052
FESSLER, HENRY E.
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
Hyperinflation with intrinsic PEEP and respiratory muscle blood flow
[HTN-95-50867] p 237 A95-73057
FETTER, M.
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
FEWELL, JAMES E.
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
FIEDLER, GEORGE M.
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513
FIELDS, JAMES M.
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892
FIELDS, R.
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
FIGUEROA, FERNANDO
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428
FIGUREAU, A.
Can biological homochirality result from a phase transition? p 130 A95-63871
Can biological homochirality result from a phase transition? p 422 A95-88741
FIKE, CANDICE D.
Developmental differences in vascular responses to hypoxia in lungs of rabbits
[HTN-95-A0104] p 196 A95-68887
Effect of chronic hypoxia on pulmonary vascular pressures in isolated lungs of newborn pigs
[HTN-95-70498] p 229 A95-71520
FILBERT, MARGARET G.
Development of an in vitro model assay system for the evaluation of the effects of toxic chemicals on human airways
[AD-A285074] p 148 N95-16491
FILHO, ELSO DRIGO
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963
FILLERS, W. S.
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
FILONENKO, N.
Laser induced tissue temperature changes p 432 A95-87816
FILONENKO, V. B.
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
FINCK, BARBARA K.
Treatment of murine lupus with CTLA4Ig
[BTN-95-EIX95302460580] p 488 A95-94245
FINGER, BARRY W.
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400
FINK, ALIZA K.
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
FINK, MITCHELL P.
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
FINK, STEVE P.
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359
FINK, WILLIAM J.
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930
FINKEL, LEIF H.
Constructing visual perception
[HTN-95-81495] p 375 A95-85209
FINKELMAN, JAY M.
A large database study of the factors associated with work-induced fatigue
[HTN-95-B0072] p 377 A95-85888
FINLAY, BLAND J.
The evolution of life without oxygen
[HTN-95-42101] p 375 A95-83867
FINN, CORY
Techniques for optimal crop selection in a controlled ecological life support system p 37 N95-11962
FINNEGAN, JENNIFER M.
Extracellular ionic composition alters kinetics of vesicular release of catecholamines and quantal size during exocytosis at adrenal medullary cells
[AD-A281613] p 146 N95-16112
FINUCANE, KEVIN E.
Ventilatory responses to inspiratory threshold loading and role of muscle fatigue in task failure
[HTN-95-10064] p 49 A95-61915
FIORI, LORENZO
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
FIRBY, R. J.
Qualitative vision and action
[AD-A282697] p 179 N95-16966
FIRTH, J. L.
Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433
FISCHER, D.
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
FISCHER, UTE
Distributed problem solving by pilots and dispatchers p 495 A95-95065
A taxonomy of decision problems on the flight deck p 495 A95-95068
Efficient decision strategies on the flight deck p 495 A95-95070
FISCHER, W.
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
FISHER, JOHN T.
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353
FISHER, JOSEPH A.
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
FISHER, SCOTT S.
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
FISHMAN, ROBERT S.
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
FITTS, R. H.
Role of sarcolemma action potentials and excitability in muscle fatigue
[HTN-95-70081] p 77 A95-62523
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336
FITZGERALD, ROBERT S.
Acetylcholine and carotid body excitation during hypoxia in the cat
[HTN-95-10094] p 57 A95-61945
FITZMAURICE, M.
Using laser spectroscopy to diagnose disease p 434 A95-87829
FLACH, JOHN M.
Altitude control: Effects of texture and global optical flow p 497 A95-95080
Perception and control of locomotion
[AD-A285605] p 262 N95-21192
FLECK, S. J.
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
FLEG, JEROME L.
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
FLEMIG, JO
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
FLEMING, C.
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731
FLEMING, TERENCE F.
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627
FLEMMING, J.
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
FLETCHER, LAUREN
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
FLISS, HENRY
Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs
[HTN-95-70478] p 225 A95-71500
FLOOK, V.
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665
FLORES, RICARDO
Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world p 120 A95-63830
FLOTTE, T.
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
FLOWERS, WOODIE
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
FLUCKEY, JAMES D.
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
FLYNN, CHRISTOPHER F.
Using computerized neuropsychological testing to assess aviator skills
[AD-A293227] p 511 N95-30905
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376
FLYNN, MICHAEL T.
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
FOGG, MARTYN J.
Dynamics of a terraformed Martian biosphere
[HTN-95-60880] p 358 A95-78860
FOLEY, JEANNE M.
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522

FOLGERING, HANS T. M.
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
FONDA, M. L.
Feasibility of an integrated X-ray instrument for Mars exobiology and geology p 185 A95-63892
FONTANA, GIOVANNI A.
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
FOONONI-FARD, HAMID
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
FOOTE, STEPHEN L.
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400
FORBUS, KENNETH D.
MAC/FAC: A model of similarity-based retrieval
[AD-A286291] p 263 N95-22052
FORCE, EDWIN L.
The NASA Ames Controlled Environment Research Chamber - Present status
[SAE-TP-941488] p 22 A95-60150
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
FORD-HUTCHINSON, A. W.
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
FORD, GARY A.
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
FORD, R.
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639
FOREY, PETER
Evolution of the early vertebrates
[HTN-95-92319] p 376 A95-85363
FORNI, C.
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968
FORSBERG, L.
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
FORSTER, A. L.
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370
FORSTER, H. V.
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370
FORSTER, HUBERT V.
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
FORSYTH, R. D.
Strength training as a counter-measure for microgravity effects p 18 N95-11608
FORTERRE, P.
The reverse gyrase of hyperthermophilic archaebacteria - origin of life and thermophily p 139 A95-63918
FORTERRE, PARTICK
Speculations on the origin of life and thermophily: Review of available information on reverse gyrase suggests that hyperthermophilic procaryotes are not so primitive p 422 A95-88744
FORTIER, M.
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
FORTNEY, S.
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
FORTNEY, S. M.
Countermeasure development to space adaptation p 439 A95-88578
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130
FORTNEY, SUZANNE
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
FORTNEY, SUZANNE M.
Effects of head-down bed rest on compiex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
FORTRAT, J. O.
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
FORTSON, R. E.
Performance and reliability of the NASA biomass production chamber p 515 A95-93801
FORTSON, RUSS
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
FOSTER, C.
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
FOSTER, RUSSELL G.
Photoreceptors regulating circadian behavior: A mouse model
[AD-A285157] p 157 N95-16847
FOTEDAR, L.
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
FOTI, A. M.
Ion irradiation of organic and biological materials p 111 A95-63781
FOULQUIER, F.
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
The Pleurodele, an animal model for space biology studies p 414 A95-87522
FOURNIER, M.
Mechanics and form of the maize leaf: In vivo qualification of flexural behavior
[BTN-94-EIX94461400303] p 141 A95-65315
FOURQUET, JEAN-YVES
Set of reachable positions for a car
[BTN-95-EIX95332423428] p 516 A95-95019
FOUSHEE, H. CLAYTON
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649
FOWLER, BARRY
P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645
A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia
[HTN-95-12206] p 447 A95-91906
FOX, CHRIS
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359
FOX, GEORGE E.
Equally parsimonious pathways of RNA evolution may not be equally valid p 136 A95-63906
Experimental investigation of an RNA sequence space
[HTN-95-A0484] p 231 A95-72555
FOX, SIDNEY W.
Questionnairing university students in biology on emergence and evolution of life p 113 A95-63791
Evidence that the protocell was also a protoneuron p 126 A95-63854
FOYLE, D. C.
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
FOYLE, DAVID C.
Attentional limitations with Head-Up Displays p 494 A95-95046
Head-up displays: Effect of information location on the processing of superimposed symbology p 517 A95-95048
FRACIA, PHILIP J.
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
FRACICA, PHILIP J.
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
FRALEY, EARL V.
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139
FRAME, CHARLES E., JR.
Personal computer and workstation operating systems tutorial
[AD-A280132] p 264 N95-20041
FRANCESCATO, M. P.
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
FRANCINO, M. P.
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase p 137 A95-63911
FRANCIS, DOROTHY A.
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935
FRANCIS, M. G.
Blending people and technology
[CONGRESS PAPER C428-14-203] p 469 A95-91709
FRANCO, E. D.
Feasibility of an integrated X-ray instrument for Mars exobiology and geology p 185 A95-63892
FRANCOIS, A.
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
FRANCOIS, JASON
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
FRANK, D. U.
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289
FRANK, HARRY A.
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
FRANK, S. M.
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
FRANKLIN, M. S.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
FRANS, ALBERT
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
FRANSSON-HALL, CHARLOTTE
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
FRAPPELL, P. B.
Hamsters vs. rats: Metabolic and ventilatory response to development in chronic hypoxia
[HTN-95-70471] p 223 A95-71493
FRAZER, L. NOVAK
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
FRAZER, SCOTT
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629
FRAZIER, DONALD T.
Cerebellar modulation of ventilatory response to progressive hypercapnia
[HTN-95-A0684] p 292 A95-75253
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
FREDBERG, JEFFREY J.
Pulmonary airway area by the two-microphone acoustic reflection method
[HTN-95-70101] p 82 A95-62543
FREED, ARTHUR N.
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
FREEMAN, FREDERICK
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864

FREI, MELVIN R.
Cardiorespiratory changes during microwave-induced lethal heat stress and beta-adrenergic blockade
[HTN-95-A0625] p 279 A95-74326
FREISCHUETZ, B.
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
FRENCH, JONATHAN
Circadian rhythm desynchronosis in military deployments: A review of current strategies
[HTN-95-92916] p 445 A95-91854
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373
FRENCH, WILLIAM
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
FRESTA, M.
Chemical autopoiesis: Self-replicating micelles and vesicles p 124 A95-63846
FREUND, BEAU J.
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757
FREUND, W.
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
FREUND, WOLFGANG
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436
FREY, E. C.
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881
FRIDEN, JAN
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
FRIEDL, KARL E.
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
FRIEDMANN, E. I.
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
FRIEDMANN, E. IMRE
Chroococcidiopsis, the most primitive living cyanobacterium? p 127 A95-63858
A primitive cyanobacterium as pioneer microorganism for terraforming Mars p 193 A95-66784
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859
FRISCH, PAUL H.
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
FRITSCH-YELLE, JANICE M.
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223
FRITSCH, JANICE M.
Effects of weightlessness on human baroreflex function p 154 N95-16770
FROESE, ALISON B.
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
FROST, G.
Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903
FRUEH, B.
Experimental investigation of picosecond optical breakdown in water and biological tissues p 433 A95-87820
FRY, A. C.
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
FRY, ANDREW C.
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
FRYER, ALLISON D.
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
FRYKMAN, PETER N.
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
FUGLEVAND, ANDREW J.
Short-term immobilization has a minimal effect on the stength and fatigability of a human hand muscle
[HTN-95-00416] p 323 A95-81933
FUJII, HIRONORI
A sliding mode control for two-link flexible manipulator p 394 A95-82463
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
FUJII, M.
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756
FUJII, N.
Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein p 123 A95-63841
FUJII, TOHORU
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess p 418 A95-88592
FUJIMOTO, KEISAKU
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
FUJINAMI, TAKAO
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
FUJISHIMA, SEITARO
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
FUJITA, SATOSHI
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579
FUJIWARA, HIDEKI
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
FUJIYA, HIROTA
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
FUKUDA, YASUSHI
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
FUKUE, M.
Recovery from increased pressure or increased leakiness edema in perfused sheep lungs
[HTN-95-A0602] p 273 A95-74303
FUKUNAGA, TOSIHARU
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
FULAMBARKER, ASHOK M.
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
FULCO, CHARLES S.
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
FULLER, C. A.
Influence of gravity on the circadian timing system
[ISBN 0-08-042485-6] p 11 A95-60682
FULLER, CHARLES A.
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
Centrifuges in gravitational physiology research p 91 N95-15147
FUNABIKI, KOHEI
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
FUNAYA, KOUICHI
Automation and crew time saving in the space experiment p 315 N95-23715
FUNG, P. P.
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
FUNG, PAUL
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347
FUNK, KEN
Cockpit task management errors in a simulated flight operation p 509 A95-95196
Cockpit task management errors in critical in-flight incidents p 510 A95-95197
FURMAN, JOSEPH M.
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
FURNESS, THOMAS A., III
Creating better virtual worlds p 98 N95-14031
FURUTA, HIROYUKI
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems p 124 A95-63847
FUSSEL, K.
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726

G

GAASTERLAND, T.
Overview of selected molecular biological databases
[DE95-005906] p 346 N95-25181
GABAREE, C. L.
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558
GABRION, JACQUELINE
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
GADOLIN, R. E.
Naval Aerospace Medical Research Laboratory. 1993 command history
[AD-A284038] p 85 N95-14424
Command history, 1993
[AD-A279775] p 256 N95-21989
GAESSER, G. A.
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
GAESSER, GLENN A.
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055
GAFFIE, D.
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
GAFFNEY, F. A.
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
GAGNON, F.
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
GAILEY, P. C.
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548
GAILLARD, ANTHONY W. K.
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
GAILLARD, IRENE
Improving air traffic control: Proving new tools or approving the joint human-machine system? p 543 N95-34783
GAISER, KAREN K.
Critical issues for space life sciences p 436 A95-88559
GALANOV, E. K.
Digital glucosimeter-polarimeter for measuring the optical activity of solutions
[HTN-95-61167] p 399 A95-86266
GALBO, H.
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
GALCHENKO, V.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777

GALLAGER, SCOTT M.
Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder
[AD-A289725] p 430 N95-28685
GALLAGHER, C. G.
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
GALLAGHER, K. L.
The effect of special boards of flight surgeons on the evolution of US Naval flight standards
p 162 N95-19417
GALLIMORE, JENNIE J.
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
GALLOWAY, HOYT W.
Medical research publications: A bibliography of Walter Reed Army Medical Center staff, 1986-1992, volume 2
[PB94-177797] p 85 N95-14394
GALLUCCI, RANDLE M.
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
GALOFARO, LUCA
Habitat for short duration lunar mission
p 25 N95-11616
GALOTTI, VINCENT
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782
GAMBONE, LINDA M.
Ozone-induced loss of neuronal M(sub 2) muscarinic receptor function is prevented by cyclophosphamide
[HTN-95-A0726] p 302 A95-75295
GAMO, TOSHITAKA
Formation and alteration of organic compounds under submarine hydrothermal vent environments
p 134 A95-63889
GAN, R. Z.
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data
[HTN-95-A0125] p 201 A95-68908
GANAPATHI, G. B.
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194
GANDER, P. H.
Alertness management in two-person long-haul flight operations p 170 N95-16760
GANDER, PHILIPPA H.
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649
GANIN, ALEX
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
GAO, J.
Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats
[HTN-95-A0107] p 197 A95-68890
GAO, JIAPING
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
GAO, XIAO-PEI
Neutral endopeptidase modulates substance P-induced vasodilation in vivo
[HTN-95-91897] p 339 A95-81999
GAO, XIAORONG
Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618
GARCIA-RUIZ, JUAN MANUEL
Silica biomorphs: An alternative explanation of some putative Precambrian microfossils p 131 A95-63875
Inorganic self-organisation in Precambrian cherts
[HTN-95-10291] p 140 A95-64053
GARCIA, A. E.
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems
[DE95-000859] p 247 N95-21366
GARCIA, LUCY
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
GARDETTE-CHAUFFOUR, M. -C.
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957
GARDINER, PHILLIP
Effects of altered muscle activation on oxidation enzyme activity in rat alpha-motoneurons
[HTN-95-50858] p 235 A95-73048
GARDNER, ANDREW W.
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
GARESSE, RAFAEL
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
GARLAND, D. J.
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
GARLAND, DANIEL J.
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
GARLAND, J. L.
The structure and function of microbial communities in recirculating hydroponic systems p 481 A95-93809
GARNER, ROBERT P.
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224
GARNESS, SHEILA
Altitude control: Effects of texture and global optical flow p 497 A95-95080
GARPESTAD, ERIK
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
GARSHNEK, V.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
GARZARELLA, LINDA
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661
GARZON, L.
Uranium deposits and the origin of life
p 131 A95-63874
GASPARONI, F.
Planetary stations and Abyssal Benthic Laboratories: An overview of parallel approaches for long-term investigation in extreme environments p 316 N95-23732
GASTALDELLI, AMALIA
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971
GAUQUELIN, G.
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
GAUQUELIN, GUILLEMETTE
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats
[HTN-95-91917] p 344 A95-82019
GAUTHIER, ALAIN P.
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes
[HTN-95-60056] p 73 A95-62164
GAUTHIER, J. P.
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886
GAUTIER, D.
Titan's atmosphere composition: Certainties and speculations p 217 A95-66792
GAVER, DONALD P.
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-28519
GAVRIELY, N.
Intra-airway CO2 distribution during airway insufflation in ventilatory failure
[HTN-95-91895] p 338 A95-81997
GAVRIELY, NOAM
Gas density does not affect pulmonary acoustic transmission in normal men
[HTN-95-00426] p 326 A95-81943
GAVRILOV, L. I.
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
GAWRON, VALERIE
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180
GAWRON, VALERIE J.
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
GAYAN-RAMIREZ, GHISLAINE
Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007
GAZEAU, M. C.
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature
p 473 A95-89217
GE, RI-LI
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
GEA, JOAQUIM
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
GEDDES, NORMAN D.
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
GEDULIN, B.
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466
GEDULIN, BENJAMIN I.
Double layer hydroxide minerals as host structures for bioorganic molecules p 135 A95-63896
GEFFNEY, F. ANDREW
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight
p 42 N95-15094
GEISER, DENNIS R.
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912
GEISER, JURG
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
GEISSEL, H.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
GELZLEICHTER, T. R.
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
GEMMELL, M. ANNE
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
GEN, DING
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
GENETTI, JON
Simulation of arthroscopic surgery using MRI data
p 145 N95-15975
GENNSER, M.
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570

GENTNER, DEDRE
MAC/FAC: A model of similarity-based retrieval
[AD-A286291] p 263 N95-22052
GENTRY, ERIC I.
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
GENTRY, GREGORY J.
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
GENTY, CHRISTIAN
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
GEORIS, PHILIPPE
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
GERAKINES, P. A.
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
GERARD, PAUL L.
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
GERSTENBLITH, GARY
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
GERZER, R.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
GHAFFAR, A.
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
GHARIB, C.
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
GHARIB, CLAUDE
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat
[HTN-95-70088] p 79 A95-62530
Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats
[HTN-95-91917] p 344 A95-82019
GHIO, ANDREW J.
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
GIACOMELLI, G. A.
Systems approach to instrumenting and controlling plant growth systems p 477 A95-93782
GIANNINI, F.
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
GIBALA, M. J.
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
GIBB, GERALD D.
The development of cognitive tasks for the selection of air traffic control personnel p 499 A95-95105
GIBBS, JAMES H.
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
GIBSON, LINDA A.
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
GIBSON, LINDSAY
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
GIBSON, RICHARD S.
Certification of training p 535 N95-34774
GIBSON, RONALD L.
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
GIBSON, T. M.
Aeromedical risk management for aircrew
p 161 N95-19414
GIER, RICK
Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
GIESBRECHT, GORDON G.
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
GILBERT, J. H.
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
GILICHINSKY, D. A.
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
GILKEY, ROBERT H.
Pattern-analysis based models of masking by spatially separated sounds
[AD-A291270] p 453 N95-29933
GILL, M.
ERA-experiment 'space biochemistry'
p 404 A95-83984
GILL, MARKUS
The stability of DNA in extreme dryness
p 135 A95-63894
DNA stability and survival of Bacillus subtilis spores in extreme dryness p 423 A95-88748
GILLAN, DOUGLAS J.
A componential model of human interaction with graphs: 1. Linear regression modeling
[HTN-95-B0065] p 389 A95-85881
GILLAND, D. R.
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
GILLEN, CHRISTOPHER M.
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10067] p 55 A95-61936
GILLEN, KELLY A.
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
GILLERAN, LOUIS G.
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
GILLESPIE, L.
Preparations for CELSS flight experiments with wheat
p 512 A95-93762
GILLETTE, MARTHA
AASERT-92 augmentation of research training in chronobiology: Regulation of the mammalian circadian clock by neurotransmitters
[AD-A288243] p 487 N95-31144
GILLIARD, NICOLAS
Fractal analysis of surfactant deposition in rabbit lungs
[HTN-95-00418] p 324 A95-81935
GILLILAND, GARY
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
GILLILAND, KIRBY
Tactile stimulation of the human head for information display
[HTN-95-20756] p 390 A95-86646
GILLINOV, A. MARC
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332
GILSON, RICHARD D.
Situational awareness in complex systems
[AD-A281448] p 168 N95-15959
GINDAHL, K.
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227
GINER-SOROLLA, A.
Purines: Their role in biopoiesis, biological evolution and oncogenesis p 133 A95-63884
GIOMETTI, CAROL S.
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
GIOVANETTI, P. M.
Aeromedical risk management for aircrew
p 161 N95-19414
GISOLFI, C. V.
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
GISOLFI, CARL V.
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood
[HTN-95-A0109] p 197 A95-68892
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
GITELSON, I. I.
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
GITELSON, J. I.
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776
GIUNTINI, CARLO
Distribution function of transit times in the human pulmonary circulation
[HTN-95-10133] p 66 A95-61984
GLADDEN, L. BRUCE
L-(+)-lactate infusion into working dog gastrocnemius: No evidence lactate per se mediates V(O2) slow component
[HTN-95-60039] p 69 A95-62147
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
GLAISTER, DAVID H.
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
GLASCOE, LEE G.
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909
GLASER, H.
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
GLASER, H.-J.
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations
p 166 N95-19436
GLASS, GARY M.
Pulmonary airway area by the two-microphone acoustic reflection method
[HTN-95-70101] p 82 A95-62543
GLENN, FLOYD
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691
GLENNY, ROBB W.
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
GLICKMAN, RANDOLPH D.
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848
GLINSKY, M. E.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
GLISSON, WILLIAM C.
The relative biological effectiveness of attenuated protons p 321 A95-81449
GLOMB, W. BRENDLE
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917

GLUCKMAN, J. P.
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
GLUCKMAN, JONATHAN P.
Task specific effects of automation and automation failure on performance, workload, and situation awareness p 519 A95-95060
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
GLUCKSBERG, MATTHEW R.
A buoyancy-driven squeeze-film model of intrapleural fluid dynamics: Basic concepts
[HTN-95-A0733] p 304 A95-75302
GLUSMAN, JOSE G.
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
GMITRO, ARTHUR F.
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
GNAN, MONIKA
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376
GODA, TOSHINAO
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat p 418 A95-88593
GODBEY, PATRICIA S.
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
GODON, PATRICE
Concordia Station p 23 N95-11602
GOERKE, J.
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble
[HTN-95-A0114] p 198 A95-68897
GOETTL, BARRY P.
Contextual interference effects on acquisition and transfer of a complex motor task
[AD-A293788] p 512 N95-31583
GOETZ, ALWIN E.
Leukocyte kinetics in pulmonary microcirculation: Intravital fluorescence microscopic study
[HTN-95-10074] p 51 A95-61925
GOFFIN, E.
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
GOFORTH, H. W., JR.
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083
GOGARTEN-BOEKELS, MARIA
The effects of heavy meteorite bombardment on the early evolution - the emergence of the three domains of life p 423 A95-88745
GOGARTEN, J. P.
Early gene duplication and the origin of biochemical regulation p 133 A95-63882
GOGARTEN, J. PETER
The effects of heavy meteorite bombardment on the early evolution - the emergence of the three domains of life p 423 A95-88745
GOGARTEN, JOHANN PETER
Phylogeny of proton pumping ATPases: Implication for the early evolution of life p 124 A95-63845
GOLAY, M. W.
The dependence of human reliability upon task information content
[DE95-006645] p 357 N95-25483
GOLBITZ, PETER
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
GOLDANSKII, VITALII I.
Revival of the concept of cold prehistory of life p 128 A95-63865
GOLDBACH, KRISTEN
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
GOLDBERG, A.
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
GOLDBERG, A. P.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
GOLDBERG, ANDREW P.
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
GOLDBERG, M.
A direct approach to the study of the effect of gravity on axis formation in birds
[ISBN 0-08-042485-6] p 8 A95-60663
GOLDBERG, STANLEY I.
Setting the stage for the emergence of the configurationally one-sided biosphere p 129 A95-63869
GOLDBERG, STEFAN V.
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
GOLDBERGER, ARY L.
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait
[HTN-95-21598] p 374 A95-83383
GOLDEN, D. C.
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts
[SAE PAPER 932091] p 459 A95-90338
GOLDENBERG, STEWART
Determination of the mass properties of a manipulator p 356 A95-80399
GOLDFARB, A. H.
Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932
GOLDING, J. F.
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
GOLDSTEIN, DAVID S.
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
GOMEZ-MARINO, M. A.
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
GONAZALEZ, J. JESUS
Neurodynamic oscillators p 311 N95-22987
GONCHAROV, A. A.
Modern aspects of planetary protection and requirements to sterilization of space hardware p 216 A95-66785
GONZALES, ANDREW A.
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
GONZALEZ-JURADO, J.
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
GONZALEZ-JURADO, JUAN
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
GONZALEZ, HORTENSIA
Neurodynamic oscillators p 311 N95-22987
GONZALEZ, NORBERTO C.
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
GONZALEZ, R. V.
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708
GONZALEZ, RICHARD R.
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577
GONZALEZ, ROGER V.
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270
GOOCH, JOHN M.
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441
GOOD, E.
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
GOODMAN, BARBARA E.
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
GOODWIN, T. J.
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639
GORAN, MICHAEL I.
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
GORDON, BILL
Cockpit attention and task management: Situation awareness in the tactical fighter p 508 A95-95186
GORDON, CLAIRE C.
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794
GORDON, PATRICIA
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
GORDON, S. E.
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
GORDON, SCOTT E.
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
GORE, DWIGHT T.
Segmental bioelectrical impedance analysis: Theory and application of a new technique
[HTN-95-A0594] p 271 A95-74295
GORINI, M.
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950
GORINI, MASSIMO
Adverse effect of hyperinflation on parasternal intercostals
[HTN-95-50853] p 234 A95-73043
GORTON, L. C.
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
GORYUNOV, A. V.
The formation of 'minimal protocell': Thermodynamical and mechanical aspects p 125 A95-63851
GOSSELIN, LUC E.
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats
[HTN-95-50857] p 235 A95-73047
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
GOSZTOLA, DAVID
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
GOTO, KATSUTOSHI
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold
[HTN-95-A0715] p 300 A95-75284
GOTO, NORIHIRO
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579
Identification of pilot dynamics including feedback structures p 454 A95-91580
GOTO, S.
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
GOTOH, KOSHI
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380

GOTSHALL, ROBERT W.
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445

GOTT, J.
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat
p 45 N95-15135

GOTTEN, WILLIAM M., JR.
Robotic control using muscular and neural electrical signals
[AD-A284908] p 92 N95-15757

GOTTFRIED, STEWART B.
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517

GOTTMANN, MATTHIAS
Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355
Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418

GOW, ANDREW
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306

GOWER, DANIEL W.
Speech intelligibility and protective effectiveness of selected active noise reduction and conventional communicatios headsets
[HTN-95-B0075] p 377 A95-85891

GOZAL, DAVID
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533

GRAAF, R.
Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421262944] p 320 A95-78955

GRAAF, ROB M. DE
Prebiotic synthesis of pentaerythritol from formaldehyde investigation of the mechanism p 110 A95-63778

GRABINER, MARK D.
Maximum rate of force development is increased by antagonist conditioning contraction
[HTN-95-A0134] p 203 A95-68917

GRAEBER, R. CURTIS
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649

GRAFTON, ENRICO
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557

GRAHAM, B. L.
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940

GRAHAM, JACQUELYN A.
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339

GRAHAM, T.
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365

GRAHAM, T. E.
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936

GRAHAM, TERRY E.
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68868
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020

GRANAAS, MICHAEL
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099

GRANDE, K. J.
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748

GRANDJEAN, PETER W.
Effect of oral creatine supplementation on power output and fatigue during bicycle ergometry
[HTN-95-91910] p 342 A95-82012

GRASHEL, MATT
The effects of boredom on reaction time in the cockpit p 510 A95-95209

GRASSI, BRUNO
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138

GRASSINO, A.
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296

GRAU, JEAN YVES
Error in time management during fighting mission p 496 A95-95074

GRAVES, JUANITA P.
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982

GRAY, KRISTEN
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia
[HTN-95-50880] p 240 A95-73070

GREELEY, R.
Site selection for Mars exobiology p 215 A95-66771

GREEN, CAROL E.
In vitro system for studying metabolism of environmental chemicals in human cells
[AD-A284174] p 159 N95-18518

GREEN, DANIEL J.
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359

GREEN, F. H. Y.
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943

GREEN, H. J.
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356

GREEN, MANFRED S.
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448

GREEN, RACHEL
Approaches to the selection of an RNA replicase p 113 A95-63792

GREENBERG, J. M.
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206

GREENBERG, J. MAYO
Delivery of interstellar prebiotic organics to the earth by comets p 106 A95-63748

GREENING, J. P.
Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus p 409 A95-87495

GREENLEAF, J. E.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544

GREENLEAF, JOHN E.
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810

GREENLEE, MARK W.
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 368 A95-84375

GREER, JOHN J.
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983

GREER, K. L.
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976

GREGORICH, STEVEN E.
The dynamics of CRM attitude change: Attitude stability p 500 A95-95113

GREGORY, KEVIN B.
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861

GREINER, THOMAS M.
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794

GRETH, RICKY L.
Helicopter crewseat cushion program
[AD-A286654] p 265 N95-20973

GRIFFIN, D. W.
Influence of gravity on the circadian timing system
[ISBN 0-08-042485-6] p 11 A95-60682

GRIFFIN, DWAYNE
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349

GRIFFIN, JOHN R.
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495

GRIFFIN, M. J.
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700

GRIFFIN, MICHAEL J.
Effects of lags on human operator transfer functions with head-coupled systems
[HTN-95-92912] p 469 A95-91850
Individual variability in the transmission of vertical vibration from seat to head
[ISVR-TR-236] p 104 N95-15850

GRIFFITH, J. B.
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090

GRIFFITH, S. L.
Pulmonary arterial smooth muscle contractility in hypoxia-induced pulmonary hypertension
[HTN-95-A0622] p 278 A95-74323

GRIGORIEV, A. I.
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581

GRIGORIEV, ANATOLY I.
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091

GRIGOROV, E. I.
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655

GRIGORYAN, E. N.
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles p 409 A95-87492
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520

GRIMALT, JOAN O.
Isoprenylglycerol diethers in non-alkaline recent and miocene evaporitic environments p 138 A95-63913

GRIMMETT, J. G.
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290

GRINDELAND, R.
Pituitary cells in space
[ISBN 0-08-042485-6] p 3 A95-60638

GRINDELAND, RICHARD E.
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15
[NASA-TM-108802-VOL-1] p 187 N95-18569

GRINFELD, S.
In vivo fertilization and development in microgravity using pleurodele ('Zeus' project)
[ISBN 0-08-042485-6] p 9 A95-60667
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
The Pleurodele, an animal model for space biology studies p 414 A95-87522

GRISSETT, J. D.
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138

GRISSETT, JAMES D.
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation
[AD-A280897] p 146 N95-16151

GROEGER, H.
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

GROENHOFF, S.
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853

GROH, JOACHIM
Leukocyte kinetics in pulmonary microcirculation: Intravital fluorescence microscopic study
[HTN-95-10074] p 51 A95-61925

GROMOVOY, TARAS YU.
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis
[HTN-95-01237] p 427 A95-91469

GRONLUND, J.
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men
[HTN-95-10100] p 58 A95-61951

GROPP, K. E.
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065

GROS, J.-B.
Simulation of mass fluxes in the MELISSA microorganism based ecosystem
[SAE PAPER 932125] p 462 A95-90366

GROSS, ANTHONY R.
The NASA Ames Controlled Environment Research Chamber - Present status
[SAE-TP-941488] p 22 A95-60150
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095

GROSSBERG, STEPHEN
Neural models of motion perception
[AD-A286560] p 262 N95-20845

GROSSMAN, ARTHUR R.
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066

GROTBERG, JAMES B.
A buoyancy-driven squeeze-film model of intrapleural fluid dynamics: Basic concepts
[HTN-95-A0733] p 304 A95-75302

GROTEBERG, J. B.
Interaction of exogenous and endogenous surfactant: Spreading-rate effects
[HTN-95-91921] p 345 A95-82023

GROTH, KEITH M.
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system)
[AD-A289023] p 493 N95-30998

GROVES, THERON O.
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379

GRUBBSTROM, J.
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960

GRUENER, R.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632

GRUYS, ERIK
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987

GU, DINGLIANG
Head cooling in hyperthermia
[HTN-95-93129] p 491 A95-95630

GUALANDRIS, L.
The Pleurodele, an animal model for space biology studies p 414 A95-87522

GUANGKAI, GAO
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263

GUANGZHONG, TU
NMR studies on the weak interactions between amino acids and nucleotides p 126 A95-63853

GUEDRY, F. E.
Dynamics of the G-excess illusion
p 155 N95-16771

GUELL, A.
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292

GUEIROS-FILHO, FREDERICO
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467

GUELL, A.
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899

GUERRA, CRISTINA TOSTI
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985

GUERRA, FRANCISCO A.
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995

GUERRIN, F.
Qualitative reasoning methods for CELSS modeling
p 515 A95-93798

GUEZ, ALLON
Designing the architecture of hierachical neural networks model attention, learning and goal-oriented behavior
[AD-A279898] p 264 N95-20562

GUEZENNEC, C. Y.
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849

GUICH, STEVE
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542

GUIDE, P. C.
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043

GUIDE, PATRICK C.
The options of pilots flying automated corporate aircraft with regard to their perceived workload
p 507 A95-95173

GUIKEMA, J. A.
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659

GUIKEMA, JAMES A.
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653
Educational opportunities within the NASA specialized center of research and training in gravitational biology
[ISBN 0-08-042485-6] p 12 A95-60687

GUILL, FREDERICK C.
Releaseable unconstrained inflatable body protector
[AD-D017350] p 524 N95-30552

GUILLAUME, A.
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112

GUILLEMIN, J. C.
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature
p 473 A95-89217

GUILLEMIN, J.-C.
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest
p 473 A95-89216

GUILLEMIN, JEAN-CLAUDE
Photolysis of gaseous mixtures containing phosphine or germane p 184 A95-63775
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727

GUINTO, RICHARD A.
Enhanced visual user interface support for domain-oriented application composition systems
[AD-A289337] p 400 N95-26737

GUITARD, D.
Mechanics and form of the maize leaf: In vivo qualification of flexural behavior
[BTN-94-EIX94461400303] p 141 A95-65315

GULLESTAD, LARS
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993

GULVE, E. A.
Suitability of 2-deoxyglucose for in vitro measurement of glucose transport activity in skeletal muscle
[HTN-95-60045] p 70 A95-62153

GULVE, ERIC A.
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334

GUNDBERG, C. M.
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342

GUNDER, ALEXANDER
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133

GUNDO, D. P.
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090

GUNGA, H. C.
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899

GUNGA, H. CHR.
The fluid content of the shell tissues of the human body under different experimental conditions
p 437 A95-88564

GUNGA, HANNS-CHRISTIAN
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131

GUNJI, A.
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145

GUNJI, ATSUAKI
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097

GUNNER, M. R.
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075

GUNST, S. J.
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992

GUNTER, EMELIE G.
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381

GUNTHER, N.
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280

GUO, XINGHUA
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617

GUREVICH, YU.
Laser induced tissue temperature changes
p 432 A95-87816

GURJEVA, T. S.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106

GURLEY, L. R.
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
GURMAN, E. B.
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
GURMAN, ERNEST B.
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
GUTTMAN, JEREMY A.
Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743
GUY, HAROLD J. B.
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Inhomogeneity of pulmonary perfusion during sustained microgravity on SLS-1
[HTN-95-10102] p 59 A95-61953
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
GUY, WALTER W.
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
GUZMAN, SERGIO A.
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity
[AD-A282125] p 17 N95-11338

H

HAAHR, POUL MARTIN
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
HAAS, ELIZABETH S.
Structure and evolution of an RNA enzyme: Ribonuclease P. p 137 A95-63910
HAAS, FRANCOIS
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
HABIB, ROBERT H.
Serial distribution of airway mechanical properties in dogs: Effects of histamine
[HTN-95-A0110] p 197 A95-68893
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
HACK, V.
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
HACKER, ALLEN
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
HADDAD, EL-BDAOUI
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
HADDAD, FADIA
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
Interaction of chronic reatine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
HADER, D.-P.
Phototaxis in the flagellate, Euglena gracilis, under the effect of microgravity
[HTN-95-80092] p 105 A95-63478
HAEDER, D. -P.
Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
HAGER, ALICIA
Approaches to the selection of an RNA replicase p 113 A95-63792
HAGERMAN, F. C.
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
HAGERMAN, FREDRICK C.
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
HAGLUND, RUNE
Presentation of a Swedish study program concerning recruitment, selection and training of student air traffic controllers: The MRU project phase 1 p 535 N95-34775
HAHN, DOUGLAS C.
Diagnosing cloudiness from global numerical weather prediction model forecasts
[AD-A289456] p 392 N95-26992
HALES, CHARLES A.
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats
[HTN-95-A0688] p 293 A95-75257
HALEY, JOSEPH L., JR.
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574
HALKJAER-KRISTENSEN, JENS
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
HALL, DAVID M.
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood
[HTN-95-A0109] p 197 A95-68892
HALL, JENNIFER L.
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
HALL, LESLIE
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
HALL, MICHAEL J.
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
HALL, RICHARD
US Coast Guard Human Systems Integration (HSI) process model
[AD-A289172] p 400 N95-26612
HALLEMANS, ROGER
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
HALLEN, JOSTEIN
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993
HALLICK, RICHARD B.
Third international congress of plant molecular biology: Molecular biology of plant growth and development
[DE95-006482] p 383 N95-28496
HALONEN, L.
Effects of lighting and task parameters on visual acuity and performance
[PB94-179231] p 19 N95-10236
HALPERN, D.
Interaction of exogenous and endogenous surfactant: Spreading-rate effects
[HTN-95-91921] p 345 A95-82023
HALSELL, C. A.
Designing planetary protection into the Mars observer mission p 217 A95-66786
HALSETH, AMY E.
Early alterations in soleus GLUT-4, glucose transport, and glycogen in voluntary running rats
[HTN-95-70073] p 75 A95-62515
HALSTEAD, T. W.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
HALSTEAD, THORA W.
Progress in plant research in space
[ISBN 0-08-042485-6] p 5 A95-60652
HAMEROFF, S.
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins p 125 A95-63852
HAMEROFF, S. R.
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell p 118 A95-63820
HAMILTON, HERBERT B.
Respiratory muscle activity during sleep-induced periodic breathing in the elderly
[HTN-95-50879] p 240 A95-73069
HAMLIN, L. A.
Lunar base CELSS design and analysis p 514 A95-93773
HAMM, CHARLES R.
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932
HAMMAN, WILLIAM R.
The future of LOFT scenario design and validation p 501 A95-95128
HAMMAN, WILLIAM, R.
CRM assessment and instructor knowledge structures p 502 A95-95130
HAMMER, JUERG
Measurement of high volumes by nitrogen washout method
[HTN-95-A0734] p 304 A95-75303
HAMMER, P. A.
Machine vision monitoring of plant health p 478 A95-93784
HAMMOND, ERNEST C., JR.
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF p 309 N95-23821
HAMMOND, SHARON L.
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086
HAMMONDS, J. S.
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program
[DE95-008097] p 387 N95-28136
HAMPTON, STEVEN
A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190
HAN, GUANGWU
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090
HAN, X. X.
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
HANAFI, Z.
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
HANAOKA, KAZUO
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
HANCOCK, P. A.
Effect of task load and task load increment on performance and workload p 519 A95-95058
The effect of taskload projection on automation use, performance, and workload p 523 A95-95181
HANDBERG, A.
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
HANEL, B.
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
HANEL, BIRGITTE
Restricted posteexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
HANGER, CHRISTOPHER C.
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
HANKE, W.
Studies of the interaction of gravity with biological membranes using alamethicin doped planar lipid bilayers as a model system p 411 A95-87506

HANLEY, MICHAEL E.
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
HANNA-HAWVER, PAMELA D.
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
HANNINEN, OSMO
Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041
Unidirectional sodium and potassium flux in myogenic L6 cells: Mechanisms and volume-dependent regulation
[HTN-95-21587] p 372 A95-83372
HANNIQUET, A. M.
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310
HANSEN, JESPER MELCHIOR
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
HANSEN, P. A.
Suitability of 2-deoxyglucose for in vitro measurement of glucose transport activity in skeletal muscle
[HTN-95-60045] p 70 A95-62153
HANSEN, S.
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men
[HTN-95-10100] p 58 A95-61951
HANSMAN, R. JOHN
Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575
Preliminary analysis of pilot ratings of 'part line' information importance p 521 A95-95093
HANSMAN, R. JOHN, JR.
Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance
p 516 A95-95039
HANSON, WILLIAM L.
Testing of experimental antileishmanial compounds
[AD-A288807] p 348 N95-26193
HANSSON, P. A.
Nanobiological principles and the origin of life
p 119 A95-63821
HANTOS, ZOLTAN
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
HAPPEL, J.
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265
HARADA, K.
Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein
p 123 A95-63841
HARADA, KAORU
Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile
p 111 A95-63780
HARADA, KAZUO
In vitro selection of optimal DNA substrates for ligation
p 115 A95-63805
HARARI, GIL
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448
HARDY, J. CULLEN
Sympathetic nerve activity during prolonged rhythmic forearm exercise
[HTN-95-10113] p 61 A95-61964
Forearm compression during exercise increases sympathetic nerve traffic
[HTN-95-70468] p 222 A95-71490
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia
[HTN-95-50880] p 240 A95-73070
HARF, A.
Respiratory response to inhaled CO2 during positive inspiratory pressure in humans
[HTN-95-A0141] p 205 A95-68924
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
HARGENS, A. R.
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight
p 151 N95-16744
HARGENS, ALAN R.
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses
p 89 N95-15128
HARGREAVES, M.
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475
HARGREAVES, MARK
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
HARIK, SAMI I.
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
HARKEMA, J.
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
HARM, D. L.
Countermeasure development to space adaptation
p 439 A95-88578
HARM, DEBORAH
Dark focus of accommodation as dependent and independent variables in visual display technology
p 154 N95-16758
HARM, DEBORAH L.
The effect of space flight on spatial orientation
p 437 A95-88566
HARMAN, EVERETT A.
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
HARMAN, S. M.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
HARPER, J.
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
HARPER, J. S.
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
HARPER, JENNIFER P.
Aviation Epidemiology Data Register: Gender-specific attrition from the trained US Army aviator cohort of 1988
[AD-A284395] p 92 N95-15810
HARPER, LYNN D.
The NASA Ames Controlled Environment Research Chamber - Present status
[SAE-TP-941488] p 22 A95-60150
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
HARPER, PATRICK M.
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
HARPER, RONALD M.
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
HARRIS, DON
Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336
HARRIS, HOWARD C., JR.
Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934
HARRIS, LISA J.
Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892
HARRIS, REGINA M.
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
HARRIS, T. R.
Pulmonary vascular resistance distribution and recruitment of microvascular surface area
[HTN-95-A0139] p 204 A95-68922
Use of scaling theory to relate measurements of lung endothelial barrier permeability
[HTN-95-50898] p 244 A95-73088
Effects of pulmonary blood flow on the fractal nature of flow heterogeneity in sheep lungs
[HTN-95-A0724] p 302 A95-75293
HARRIS, W. C.
The effect of taskload projection on automation use, performance, and workload p 523 A95-95181
HARRISON, DAVID K.
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
HARRISON, WALLACE
Determination of the mass properties of a manipulator
p 356 A95-80399
HART, KEVIN K.
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
HARTEL, CHARMINE
Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
HARTLEY, J.
Strength training as a counter-measure for microgravity effects p 18 N95-11608
HARTMAN, H.
Amino-acyl-t-RNA synthetases and the evolution of the genetic code p 121 A95-63831
HARTMAN, HYMAN
Speculations on the evolution of the genetic code IV the evolution of the aminoacyl-tRNA synthetases
p 423 A95-88746
HARTMAN, JUDITH O.
Medical research publications: A bibliography of Walter Reed Army Medical Center staff, 1986-1992, volume 2
[PB94-177797] p 85 N95-14394
HARTNEY, C.
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
HARTSOCK, DAVID C.
Failure indications on a head-up display
p 517 A95-95045
HARTY, HELEN R.
Dose dependency of perceived breathlessness on hypoventilation during exercise in normal subjects
[HTN-95-70469] p 222 A95-71491
HARUNA, YUICHIRO
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
HARVER, ANDREW
Effects of detection and classification of resistive and elastic loads on endogenous event-related potentials
[HTN-95-A0700] p 296 A95-75269
HARVEY, J. W.
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
HARWOOD, KELLY
Evaluation in context: ATC automation in the field
p 543 N95-34781
HASAN, S. U.
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
HASEGAWA, NOKI
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
HASEGAWA, SATOSHI
Effects of anti-emetics on motion sickness of rats
p 416 A95-88575
HASELTON, F. R.
Use of scaling theory to relate measurements of lung endothelial barrier permeability
[HTN-95-50898] p 244 A95-73088
HASHIBA, M.
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration
[HTN-95-90032] p 82 A95-62823
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
HASHIMOTO, SATORU
Right atrial pressure and ANP release during prolonged exercise in a hot envionment
[HTN-95-70075] p 76 A95-62517

HASSELBALCH, STEEN
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531
HASSETT, CHERYL A.
Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482
HASSOUN, JOHN A.
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
HATHER, B.
Skeletal muscle responses to unloading in humans
p 150 N95-16743
HATHOUT, GASSER M.
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
HATTON, R.
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
HAUSDORFF, JEFFREY M.
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait
[HTN-95-21598] p 374 A95-83383
HAWK, PATRICIA
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
HAWK, S.
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
HAWLEY, KEVIN J.
Studies of novel popout
[AD-A285237] p 169 N95-16244
HAYAMIZU, S.
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
HAYANO, JUNICHIRO
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
Heart rate and blood pressure variabilities during graded head-up tilt
[HTN-95-21579] p 369 A95-83364
HAYANO, TOSHIHIDE
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
HAYASE, KAZUTOSHI
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
HAYASHI, MASATO
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
HAYASHI, Y.
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
HAYES, DEBORAH A.
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
HAYHOE, MARY M.
Reference frames in vision
[AD-A290117] p 456 N95-29422
HAYS, CHRISTOPHER J.
Analysis of group performance in visual signal detection
[AD-A289561] p 391 N95-26683
HAZUCHA, MILAN J.
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979
HEALEY, ALICE F.
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance
[AD-A293798] p 512 N95-31585
HEALEY, MICHAEL D.
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
HEANEY, JAY H.
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
HEAPS, CRISTINE L.
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
HEATH, CLEVELAND A.
Inflatable life vest
[AD-D017273] p 471 N95-29600
HEATH, J. R.
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
HEATHCOTE, D. G.
The gravitational plant physiology facility-Description of equipment developed for biological research in spacelab
[HTN-95-80713] p 245 A95-73285
HEATON, RANDALL
M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361
HECHT, HEIKO
Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling
[HTN-94-00359] p 18 A95-60105
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116
Apparent extended body motions in depth
[HTN-94-00400] p 18 A95-60122
Integration of local features as a function of global goodness and spacing
[HTN-94-00404] p 19 A95-60124
HECKMAN, G.
Prediction of solar particle events for exploration class missions p 349 A95-81436
HEDIN, A. E.
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162
HEDIN, C. E.
Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864
HEEB, M.
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
HEERS, SUSAN T.
Attention in a multi-task environment
p 506 A95-95168
HEFLEY, WILLIAM E.
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
HEHRE, DOROTHY
Effect of dopamine on hypoxic ventilatory response of sedated piglets with intact and denervated carotid bodies
[HTN-95-A0611] p 275 A95-74312
HEIGENHAUSER, G. J. F.
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970
HEIGENHAUSER, GEORGE J. F.
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
HEILMANN, J.
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI)
p 528 N95-32725
HEIM, J.-M.
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
HEIMEL, H.
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
HEIMER, DOV
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
HEINRICH, BERND
Thermoregulation in bees
[HTN-95-00507] p 375 A95-83387
HEINRICH, WOLFGANG
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
HEINRICHS, HAROLD
A training approach for highly automated ATC systems
p 506 A95-95165
HEINZ, BETTINA
Cellular structures from amino acid thermolysates
p 123 A95-63840
HELD, RICHARD M.
Visual interfaces: The human perceiver
p 96 N95-14014
HELLER, GEOFFREY
Simulation of arthroscopic surgery using MRI data
p 145 N95-15975
HELLSTEN, YLVA
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
HELMINEN, HEIKKI J.
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
HELMREICH, R. L.
Validation of astronaut psychological select-in criteria
p 171 N95-16762
HELMREICH, ROBERT L.
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
Whither CRM? Future directions in Crew Resource Management training in the cockpit and elsewhere
p 500 A95-95120
HELTON, KATHLEEN T.
Personality tests in an enhanced pilot selection model
p 498 A95-95102
HEMING, THOMAS A.
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
HEMINGER, ALAN R.
Design considerations for FrankTalk: A distributed group support system
[AD-A283386] p 401 N95-26863
HEMMERSBACH-KRAUSE, R.
Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
HENDRIX, J. E.
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
HENDY, KEITH C.
Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151
HENLEY, CHARLES M., III
Comparison of space adaptation and vestibular compensation p 436 A95-88561
HENNESSY, L. W.
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
HENNINGER, D. L.
Regenerative life support systems - why do we need them? p 516 A95-93812
Use of lunar regolith as a substrate for plant growth
p 483 A95-93816
HENNINGER, DONALD L.
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts
[SAE PAPER 932091] p 459 A95-90338
HENRIKSEN, ERIK J.
Early alterations in soleus GLUT-4, glucose transport, and glycogen in voluntary running rats
[HTN-95-70073] p 75 A95-62515
HENRY, P. D.
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
HERAZO, L. F.
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume
[HTN-95-A0153] p 208 A95-68936
HERB, ROBERT A.
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73080
HERLEHY, WILLIAM F., III
Commercial flight crew selection for automated flight decks p 521 A95-95099
HERMANSON, E. M.
The dependence of human reliability upon task information content
[DE95-008645] p 357 N95-25483

HERNANDEZ, BECKY
Aerospace medicine
[AD-A289691] p 385 N95-26763
HERNANDEZ, J. M.
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase p 137 A95-63911
HERNANDEZ, PAUL
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
HERNANDORENA, ARANTXA
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
HERON, RUTH M.
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148
Development of electrophysiological measures of GA pilot workload p 507 A95-95178
HERRICK, ROBERT E.
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
HERRMANN, CAL C.
Performance of high-recovery recycling reverse osmosis with wash water
[SAE PAPER 932073] p 468 A95-91651
Electrodialysis simulation to achieve optimum current density
[SAE PAPER 932074] p 468 A95-91652
HERSHKO, G.
Prediction of central nervous system oxygen toxicity in rats
[HTN-95-A0666] p 288 A95-74367
HERSING, WALTER
Development of the chick's auditory ossicle, the columella p 44 N95-15115
HERVE, JEAN-YVES
Learning Hand/Eye coordination by an active observer. part 1: Organizing centers
[AD-A289502] p 391 N95-26843
HESPEL, PETER J. L.
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
HESS, ELIZABETH L.
Progress in plant research in space
[ISBN 0-08-042485-6] p 5 A95-60652
HESSLINK, ROBERT L.
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
HETHERINGTON, H. P.
Cumulative effects of repeated brief cerebral ischemia
[AD-A284234] p 210 N95-19698
HETZLER, RONALD K.
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963
HETZRONI, A.
Machine vision monitoring of plant health p 478 A95-93784
HEUS, R.
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
HICKERNELL, ROBERT K.
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
HICKEY, MATTHEW S.
Effects of resistance exercise on glucose tolerance in normal and glucose-intolerant subjects
[HTN-95-A0686] p 293 A95-75255
HICKS, KERI
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900
HICKS, M. R.
Aircrew acceptance of automation in the cockpit
[CONGRESS PAPER C428-30-179] p 512 A95-93614
HICKS, WILLIAM
Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971
HICKSON, R. C.
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
HICKSON, ROBERT C.
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343
HIDAKA, K.
Successive time courses of strength development and steroid hormone responses to heavy-resistance training
[HTN-95-60036] p 68 A95-62144
HIELSCHER, A. H.
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
HIENERWADEL, K.-O.
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
HIGENBOTTAM, TIM
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
HIGGS, JOEY
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629
HIGHFILL, JERRY W.
Ozone toxicity in the rat. 1: Effect of changes in ambient temperature on extrapulmonary physiological parameters
[HTN-95-00445] p 331 A95-81962
HIKIDA, R. S.
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
HIKIDA, ROBERT S.
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
HILARIO, E.
Early gene duplication and the origin of biochemical regulation p 133 A95-63882
HILARIO, ELENA
The effects of heavy meteorite bombardment on the early evolution - the emergence of the three domains of life p 423 A95-88745
HILASKI, ROGER J.
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
HILBIG, R.
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
HILBURN, BRIAN
Operator versus computer control of adaptive automation p 519 A95-95059
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
HILDEBRANDT, J.
Flow pulsatility does not increase mean microvascular pressure or filtration in zone 3 rabbit lungs
[HTN-95-00424] p 325 A95-81941
HILL, ANDREW G.
Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
[HTN-95-91919] p 344 A95-82021
HILL, AUBREY R.
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides
[HTN-95-A0476] p 230 A95-72547
HILL, JAMES A.
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168
HILL, JAMES O.
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
HILL, LINDA W.
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
HILL, MAURY W.
Human factors training for the investigator: The results of a systems approach to training development p 523 A95-95207
HILL, NICHOLAS S.
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
HILL, W. A.
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
HILLAIRE-MARCEL, CLAUDE
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961
HILLIARD, M. P.
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981
HILLIARD, R. DAVID
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
HILLMAN, DAVID
Effects of lung volume and surface forces on maximal airway smooth muscle shortening
[HTN-95-A0650] p 285 A95-74351
HILLMAN, DAVID R.
Ventilatory responses to inspiratory threshold loading and role of muscle fatigue in task failure
[HTN-95-10064] p 49 A95-61915
HILLMAN, DONALD J.
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
HILLYARD, S.
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
HILVERT, DONALD
Cofactor-assisted antibody catalysis
[AD-A288929] p 379 N95-26608
HIMM, J.
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885
HIMM, J. F.
Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315
HINDMAN, J. C.
Energy transfer in real and artificial photosynthetic systems
[DE95-005824] p 382 N95-27948
HINDS, W. E.
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
HINES, M. L.
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818
HINGERTY, B. E.
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606
HINGHOFER-SZALKAY, H.
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
HINGHOFER-SZALKAY, HELMUT
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
HINKLE, C. R.
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity p 476 A95-93765
HINTZ, H. F.
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
HINTZE, THOMAS H.
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
HIRAI, TADAKAZU
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
HIRAKAWA, SENRI
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
HIRANO, AKIYOSHI
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess p 418 A95-88592

HIROSE, MUNEKTAKA
Right atrial pressure and ANP release during prolonged exercise in a hot environment
[HTN-95-70075] p 76 A95-62517
HIRZEBRUCH, S. E.
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
HITCHCOCK, E. M.
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
HIX, DEBORAH
Use of the user action notation at the Naval Research Laboratory Human-Computer Interaction Laboratory
[AD-A281680] p 104 N95-15449
HIXSON, J.
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298
HJELDE, A.
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512
HJELDE, ASTRID
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965
HO, JOSEPH X.
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
HOANG, V.
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
HOBAN-HIGGINS, T. M.
Influence of gravity on the circadian timing system
[ISBN 0-08-042485-6] p 11 A95-60682
HOBBS, P.
Ownership and accountability - they're not just buzzwords
[CONGRESS PAPER C428-14-201] p 469 A95-91707
HOBISH, M. K.
Direct interaction between amino acids and nucleotides as a possible physicochemical basis for the origin of the genetic code p 194 A95-66800
HOCHSTEIN, LAWRENCE I.
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath)
[HTN-94-00465] p 1 A95-60154
HOCK, B.
Fungi in space - Literature survey on fungi used for space research
[HTN-95-80093] p 105 A95-63479
Gravimorphogenesis and ultrastructure of the fungus Flammulina velutipes grown in space, on clinostats and under hyper-G conditions p 412 A95-87512
HODGDON, JAMES A.
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
HODGE, L.
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
HOECKER, DOUGLAS G.
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
HOEHN, A.
Plant-module for autonomous space-support (p-mass). p 476 A95-93766
HOEHN, ALEXANDER
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Effects of gravity and light on plant growth and performance in normal and reduced gravity p 529 N95-32901
HOERBERG, U.
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467
HOERMANN, HANS-JUERGEN
Personality scales as predictors for job success of airlines pilots p 499 A95-95106
HOFACKER, WERNER
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
HOFER, ELFIE F.
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053
HOFFMAN, BRIAN B.
Effect of aging on beta(sub 2)-adrenergic receptor-stimulated flux of K(+), PO4,FFA, and glycerol in human forearms
[HTN-95-21575] p 369 A95-83360
HOFFMAN, E. A.
Heart-lung interactions determined by electron beam X-ray CT in laterally recumbent rabbits
[HTN-95-91879] p 334 A95-81981
HOFFMAN, F. O.
An introductory guide to uncertainty analysis in environmental and health risk assessment. Environmental Restoration Program
[DE95-008097] p 387 N95-28136
HOFFMANN, U.
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
HOFSTETTER-DEGEN, K.
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
Graded change of forces on the otoliths as a tool to investigate equilibrium in man p 439 A95-88574
HOGAN, MICHAEL C.
L-(+)-lactate infusion into working dog gastrocnemius: No evidence lactate per se mediates V(O2) slow component
[HTN-95-60039] p 69 A95-62147
Initial fall in skeletal muscle force development during ischemia is related to oxygen availability
[HTN-95-50873] p 238 A95-73063
HOGG, JAMES C.
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
HOH, C. K.
Study on the use of transmission scans for whole body PET attenuation correction
[BTN-95-EIX95332424660] p 484 A95-94887
HOLCOMB, PAUL H.
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
HOLDEN, TINA
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
HOLDING, DENNIS H.
Practice effects on the WOMBAT device p 498 A95-95097
HOLLAND, A. W.
Results of an International Space Crew Debrief p 152 N95-16750
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761
Validation of astronaut psychological select-in criteria p 171 N95-16762
Psychological training of NASA astronauts for extended missions p 171 N95-16763
HOLLAND, E.
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
HOLLAND, WIM P. J.
A simple handheld push-button device for in situ calibration of pneumotachographs
[HTN-95-A0682] p 292 A95-74383
HOLLENBECK, JOHN R.
Effective team performance under stress and normal conditions: An experimental paradigm, theory and data for studying team decision making in hierarchical teams with distributed expertise
[AD-A284683] p 175 N95-18530
HOLLERBACH, K.
Automated volumetric grid generation for finite element modeling of human hand joints
[DE95-009575] p 494 N95-32097
HOLLEY, D. C.
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
HOLLNAGEL, E.
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522
HOLLOSZY, J. O.
Suitability of 2-deoxyglucose for in vitro measurement of glucose transport activity in skeletal muscle
[HTN-95-60045] p 70 A95-62153
HOLLOSZY, JOHN O.
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
HOLLOWAY, FRANK A.
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863
HOLLOWAY, HARRY C.
Remote medical systems for the human exploration of space
[AAS PAPER 91-321] p 458 A95-87472
HOLMBERG, SANDRA
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
HOLMEN, L. M.
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665
HOLMES, BARBARA E.
The development of aircrew coordination behaviors p 505 A95-95156
HOLMES, COURTNEY
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
HOLY, X.
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
HOLYOAK, KEITH J.
A cognitive architecture for solving ill-defined problems
[AD-A293582] p 512 N95-31686
HOLZER, G.
Lipids of archaebacteria p 140 A95-63924
HOMER, L. D.
Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26865
HOMONKO, DARLENE A.
Effects of exercise and glycogen depletion on glyconeogenesis in muscle
[HTN-95-10083] p 53 A95-61934
HONDA, HAJIME
Thermal heterocomplex molecules from amino acids and their catalytic capabilities p 122 A95-63839
HONDA, TAKAYUKI
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
HONDA, Y.
Chemical studies on the possible existence of life on Mars p 216 A95-66774
HONG, S. K.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
HOOD, DAVID A.
Blood flow, mitochondria, and performance in skeletal muscle after denervation and reinnervation
[HTN-95-60043] p 70 A95-62151
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946
HOOK, ROBERT J.
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
HOOVER, CAROL L.
Human-computer interaction (HCI) specialization track Masters of Software Engineering (MSE) program
[AD-A292895] p 525 N95-31401
HOOVER, MARK D.
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188
HOPEWELL, REGINA
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
HOPKIN, V. DAVID
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764

HOPKINS, E. W.
The NAMI syncope test battery and clinical decision-making in aviators with syncope
p 164 N95-19428
HOPKINS, SUSAN R.
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
HOPPENSTEADT, FRANK C.
Particle method for population waves
[BTN-94-EIX94341340324] p 27 A95-60860
HORDINSKY, JERRY
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
HORDINSKY, JERRY R.
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702
HORI, TETSURO
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats
p 418 A95-88594
HORIGUCHI, MASAHARU
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
HORII, ARATA
Effects of anti-emetics on motion sickness of rats
p 416 A95-88575
HORIUCHI, JOUJI
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys
p 417 A95-88580
HORLITZ, KRISTA L.
Improving situation awareness displays for air traffic controllers p 520 A95-95088
HORN, E.
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project
p 415 A95-87525
HORN, VERNON P. H.
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
HORNBY, LAURA
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
HORNECK, G.
Biological samples in comet simulation experiment (KOSI-11) p 140 A95-63926
Planetary protection considerations for MarsNet and Mars sample return missions p 217 A95-66789
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I
p 404 A95-83983
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
HORNECK, GERDA
Exobiology experiments in Earth orbit: Results and perspectives for future research p 185 A95-63899
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
HORNET, D.
European EVA space suit: Full scale evaluations and analysis for the lower torso conceptual design
[SAE PAPER 932099] p 460 A95-90343
HORNING, MICHAEL A.
Increased dependence on blood glucose in smokers during rest and sustained exercise
[HTN-95-10054] p 46 A95-61905
HORODICEANU, E.
Regeneration of guinea pig facial nerve: The effect of hypergravity p 411 A95-87505
HORTON, TRACY J.
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
HORVATH, EVA
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
HOSHI, TAKESHI
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat
p 418 A95-88593
HOSHIZAKI, T.
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
HOSON, T.
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62822
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions
p 408 A95-87491
HOSON, TAKAYUKI
Effect of gravity on plant growth and cell wall properties p 363 A95-82613
HOSOYAMADA, TAMITO
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
HOU, XIN
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
HOUGAARD, P.
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522
HOUILLON, C.
In vivo fertilization and development in microgravity using pleurodele ('Zeus' project)
[ISBN 0-08-042485-6] p 9 A95-60667
HOUILLON, CH.
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight
p 415 A95-87523
HOUIN, G.
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
HOUMARD, JOSEPH A.
Relationship between MRI relaxation time and muscle fiber composition
[HTN-95-00410] p 322 A95-81927
HOUSH, TERRY J.
Electromyographic evaluation of joint angle specificity and cross-training after isometric training
[HTN-95-A0604] p 273 A95-74305
HOWARD, L. S. G. E.
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960
Alterations in respiratory control during 8 h of isocapnic and poikilocapnic hypoxia in humans
[HTN-95-00444] p 330 A95-81961
HOWARD, R.
Neutral buoyancy simulation of space telerobotics operations p 356 A95-80400
HOWE, R. B.
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
HOWSE, B. P. A.
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
HOYT, R. W.
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558
HOYT, REED W.
Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
HROVAT, MIRKO I.
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
HSIA, C. C. W.
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume
[HTN-95-A0153] p 208 A95-68936
HSU, KANG
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
HU, SENQI
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
HU, SHU-CHIEH
Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow
[HTN-95-A0112] p 198 A95-68895
HUA, MAOSEN
Chroococcidiopsis, the most primitive living cyanobacterium? p 127 A95-63858
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859
HUANG, AN
Short-term daily exercise activity enhances endothelial NO synthesis in skeletal muscle arterioles of rats
[HTN-95-70085] p 78 A95-62527
HUANG, GANG
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880
HUANG, HOUZHEN
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828
HUANG, J.
Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
HUANG, JONGSU
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
HUANG, XIAOLING
Algorithm for real-time detection of QRS complex in ECG signal
[HTN-95-93118] p 491 A95-95619
HUANG, YUH-CHIN T.
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
HUBER, ROBERT
Can hyperthermophilic procaryotes tell us anything about the primitive earth? p 139 A95-63917
HUBERMAN, ELIEZER
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
HUDGEL, DAVID W.
Respiratory muscle activity during sleep-induced periodic breathing in the elderly
[HTN-95-50879] p 240 A95-73069
HUDGENS, GERALD A.
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
HUDLICKA, O.
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
HUDSON, BRIAN H.
Evaluation of candidate millimeter wave sensors for synthetic vision p 39 N95-13214
HUEBNER, W. F.
Polymers and other macromolecules in comets -- A possible relationship to the origins of life
p 182 A95-63751
HUENTRUP, G.
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
HUFF, JASON
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629
HUGHES, J. M. B.
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
HUGHES, MELANIE A.
Myers-Briggs type indicators and Kirton adaption-innovation inventory correlations
[AD-A288435] p 393 N95-27181
HUGHSON, R. L.
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002

HUGULEY, HAROLD, III
Aerospace medicine
[AD-A289691] p 385 N95-26763
HUI, S.
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466
HUI, STELLA S.-Y.
Double layer hydroxide minerals as host structures for bioorganic molecules p 135 A95-63896
HULJING, PETER A.
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
HULIN, CHARLES L.
Uses of part-task trainers in instrument flight training p 504 A95-95153
HULLINGER, RONALD L.
The avian embryo responding to microgravity of space flight p 43 N95-15104
HULTMAN, F.
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
HUMMER, G.
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems
[DE95-000859] p 247 N95-21966
HUMPHREY, DARRYL G.
Toward a psychophysical assessment of dynamic changes in mental workload
[HTN-95-B0109] p 397 A95-85925
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
HUNT, J. E.
Energy transfer in real and artificial photosynthetic systems
[DE95-005824] p 382 N95-27948
HUNT, LYNN M.
New diagnostic tools for measuring learning behavior in pilot trainees p 503 A95-95146
HUNT, MADELYN D.
Resource recovery and epidemiology of anaerobic wastewater treatment process in a controlled ecological life support system
[NASA-CR-197930] p 314 N95-23474
HUNT, P.
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083
HUNTEN, D. M.
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162
HUNTER, DAVID R.
Predicting aircraft pilot-training success: A meta-analysis of published research
[HTN-95-92289] p 388 A95-85333
Meta-analysis of aircraft pilot selection procedures p 498 A95-95100
HUNTER, IAN W.
Analysis of the human operator subsystems p 97 N95-14019
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040
HUNTER, R. P.
Effect of antiorthostatic BedRest (BR) on GastroIntestinal Motility (GIM) of normal subjects p 153 N95-16753
HUNTINGTON, J. L.
Exobiology experiments for Earth-orbital platforms p 185 A95-63891
Exobiology research on Space Station Freedom p 215 A95-66768
HUNTLEY, M. STEPHEN
Design and evaluation of instrument approach procedure charts p 518 A95-95050
HUNTOON, CAROLYN
Critical issues for space life sciences p 436 A95-88559
HUNTRAKOON, MANOP
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats
[HTN-95-70477] p 224 A95-71499
HURLEY, B.
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
HURLEY, B. F.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
HURLEY, BEN F.
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
HURST, CHARLES
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341
HURT, HOLCOMBE H.
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
HURT, WILLIAM D.
Considerations for human exposure standards for fast-rise-time high-peak-power electromagnetic pulses
[HTN-95-92918] p 446 A95-91856
HUSSAIN, N. A.
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256
HUSSAIN, SABAH N. A.
Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide
[HTN-95-50856] p 235 A95-73046
HUTCHINS, E. L.
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
HUYGEN, PAUL E. M.
A simple handheld push-button device for in situ calibration of pneumotachographs
[HTN-95-A0682] p 292 A95-74383
HWANG, H. J.
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
HYDUK, ROZA
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
HYLAND, D. T.
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
HYLAND, DIANE T.
Experimental evaluation of aging and pilot performance p 497 A95-95096
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
HYMER, W. C.
Pituitary cells in space
[ISBN 0-08-042485-6] p 3 A95-60638
Electrophoretic separation of cells and particles from rat pituitary
[NASA-CR-197975] p 345 N95-24475

I

IANDOLO, JOHN J.
Anti-idiotype probes for toxin detection
[AD-A288955] p 379 N95-26435
IBER, CONRAD
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008
ICHIKI, ALBERT T.
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
IGARASHI, MAKOTO
Comparison of space adaptation and vestibular compensation p 436 A95-88561
IGARASHI, TAKESHI
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
IHARA, MAKOTO
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins p 442 A95-88599
IKURA, SHOICHI
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
IJIRI, K.
Circadian rhythms in the sensitivity to radiation and different drugs in mouse intestinal epithelium p 419 A95-88600
IKAWA, SACHIO
Hormonal changes on rat under the hypergravity exposure p 362 A95-82609
IKEDA, K.
Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein p 123 A95-63841
IKEDA, KOJI
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
IKEGAMI, MACHIKO
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00428] p 326 A95-81945
IKPEME, S.
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
ILER, TED
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
ILGEN, DANIEL R.
Effective team performance under stress and normal conditions: An experimental paradigm, theory and data for studying team decision making in hierarchical teams with distributed expertise
[AD-A284683] p 175 N95-18530
ILMARINEN, RAIJA
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912
ILMONIEMI, R. J.
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371
ILMONIEMI, RISTO J.
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348
IMAI, KAZUMO
Sweating response to simulated weightlessness p 441 A95-88585
IMAMIZO, M.
AstroNewt: Early development of newt in space p 414 A95-87521
INAMURA, KINSAKU
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
INBAR, GIDEON F.
Human operator tracking performance with a vibrotactile display p 100 N95-14049
INFIELD, SUSAN E.
Human-centered requirements for advanced commercial transport flight decks p 517 A95-95049
INGAKI, TOHSIHARU
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
INGENITO, E. P.
Dynamic surface tension of surfactant TA: Experiments and theory
[HTN-95-70487] p 227 A95-71509
INGENITO, EDWARD P.
Effects of acute lung injury on dynamic tissue properties
[HTN-95-70488] p 227 A95-71510
INGGS, MICHAEL R.
Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427
INOMATA, K.
Specific effect of magnesium ion on AMP synthesis from adenosine and trimetaphosphate in aqueous solution p 107 A95-63758
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729

INOUE, H.
Specific effect of magnesium ion on AMP synthesis from adenosine and trimetaphosphate in aqueous solution
p 107 A95-63758
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729

INOUYE, MINORU
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598

IOTTI, STEFANO
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286

IRNICH, H.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874

IRVINE, W. M.
Organic molecules in the gas phase of dense interstellar clouds p 189 A95-66755

IRWIN, CHERYL M.
Analysis of communication in the standard versus automated aircraft p 501 A95-95127

ISABEY, D.
Respiratory response to inhaled CO2 during positive inspiratory pressure in humans
[HTN-95-A0141] p 205 A95-68924

ISAWA, TOYOHARU
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541

ISCOE, STEVE
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353

ISEMURA, MAMORU
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat
p 418 A95-88593

ISHAY, J. S.
Regeneration of guinea pig facial nerve: The effect of hypergravity p 411 A95-87505

ISHIGAKI, MASANOBU
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360

ISHIGAMI, MASAHIRO
Origin of primitive translating systems
p 114 A95-63798

ISHIHAMA, LINDA M.
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133

ISHII, MASAHIRO
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation
p 176 N95-15984

ISHII, S.
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639

ISHIKAWA, H.
Correlations between changes in electrical parameters and changes in cell elongation rates in gravistimulated roots
[ISBN 0-08-042485-6] p 5 A95-60648

ISHIKAWA, SHIGEMI
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274

ISLAND, RICHARD T.
Analysis of USAF hypoxia incidents January 1976 through March 1990 p 490 A95-95139

ISONO, H.
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla
p 418 A95-88591

ISONO, K.
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942

ITO, HIROYASU
Human pulmonary vasculr and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380

ITO, KATSUKO
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134

ITO, MASAMI
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620

ITOH, K.
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women
p 87 N95-15111

ITOJIMA, YUKIKO
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems p 124 A95-63847

ITZKAN, I.
Using laser spectroscopy to diagnose disease
p 434 A95-87829

IUCCI, N.
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775

IVAN, DOUGLAS J.
Color vision issues in modern military aviation or the search for the Abominable Coneman
p 167 N95-19441
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442

IVANON, Y.
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects
p 481 A95-93804

IVANOV, A. V.
Digital glucosimeter-polarimeter for measuring the optical activity of solutions
[HTN-95-61167] p 399 A95-86266

IVANOV, M. A.
Density and morphology of impact craters on tessera terrain, Venus
[HTN-95-20760] p 268 A95-71120

IVANOV, M. V.
Biogeochemical evidence of microbial activity on Mars
p 192 A95-66780

IVANOVA, I.
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761

IVANOVA, S. M.
State of erythrocyte membrane in man and monkeys after space flight p 432 A95-87511

IVANOVA, T.
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects
p 481 A95-93804

IVERSEN, E. K.
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024

IVERSEN, OLE-JAN
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965

IVERSEN, T. -H.
Development of plant protoplasts during the IML-1 mission
[ISBN 0-08-042485-6] p 6 A95-60655

IVORY, M.
Implementation and performance of the pseudoknot problem in Sisal
[DE95-009573] p 487 N95-32358

IVY, J. L.
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149

IWAMOTO, LAWRENCE A.
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618

IWASAKI, KATSURO
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess
p 418 A95-88592

IWASE, SATOSHI
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion
p 440 A95-88583
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587

IWATA, TOSHIAKI
Satellite retrieving experiment of free flying telerobot
p 395 A95-82471

IWAZAKI, YUKO
Metabolic and nutritional problems in simulated microgravity – influence of suspension hypokinesia on muscle atrophy p 417 A95-88589

IZAWA, TETSUYA
Ca(2+) and lipolysis in adipocytes from exercise-trained rats
[HTN-95-70462] p 221 A95-71484

IZUMI-KUROTANI, A.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Behavior of space frog p 362 A95-82611
AstroNewt: Early development of newt in space
p 414 A95-87521

J

JACKSON, ALISTAIR
Human factors certification: A useful concept?
p 541 N95-34769

JACKSON, ANDREW C.
Serial distribution of airway mechanical properties in dogs: Effects of histamine
[HTN-95-A0110] p 197 A95-68893
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327

JACKSON, C. G. R.
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544

JACKSON, CATHERINE G. R.
Effects of oral glucose on exercise thermoregulation in men after water immersion
[NASA-TM-108825] p 28 N95-11810

JACKSON, M. J.
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974

JACKSON, R. JEFFREY
A multimodal method for assessing and treating airsickness
[HTN-95-90719] p 209 A95-69746
Initial development and validation of a multi-modal model for understanding and treating airsickness
p 489 A95-95137

JACKSON, TERESA L.
Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60818] p 317 A95-76885

JACKSON, WILLIAM G.
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768

JACOBS, BARRY L.
Motor activity anddepression-related disorders
[HTN-95-11907] p 390 A95-85988

JACOBS, ELIZABETH
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085

JACOBS, I.
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846

JACOBS, PATRICIA A.
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-28519

JACOBSEN, STEPHEN C.
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024

JACOBSEN, TAGE N.
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978

JACOBUS, CHARLES
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050

JACOBUS, HEIDI
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050

JACOBY, R.
The Ames Virtual Environment Workstation: Implementation issues and requirements
p 98 N95-14034

JACOBY, RICHARD H.
Simulation fidelity of a virtual environment display
[HTN-95-B0112] p 398 A95-85928

JACQMOTTE, N.
Regulative development of Xenopus laevis in microgravity p 413 A95-87516

JACQUES, STEVE L.
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834
JACQUES, STEVEN L.
Laser-tissue interactions: Photochemical, photothermal, and photomechanical p 432 A95-87815
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation p 434 A95-87826
Theoretical modeling of ocular tissue damage by short pulse laser
[AD-A280928] p 16 N95-10533
JAFFRIN, M.
Noninvasive determination of Cardiac Output
[PB95-206310] p 531 N95-32611
JAGERSAND, MARTIN
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control
[AD-A293607] p 540 N95-34616
JAHNKE, LINDA L.
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath)
[HTN-94-00465] p 1 A95-60154
JAHNS, G.
Seedling growth and development on space shuttle p 475 A95-93760
JAIKUMAR, S.
Phantoms for fluorescence spectroscopy p 435 A95-87830
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence p 435 A95-87832
JAMES, ALAN
Effects of lung volume and surface forces on maximal airway smooth muscle shortening
[HTN-95-A0650] p 285 A95-74351
JAMES, NORMAN
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
JAMES, PHILIP B.
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
JAMMES, YVES
Relationship between dot-Cr and breathing pattern in mechanically ventilated patients
[HTN-95-70490] p 227 A95-71512
JAN, DARRELL L.
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
JANAKUS, JEFFREY
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Feasibility study of inflatable structures for a lunar base
[BTN-95-EIX95041503792] p 213 A95-69223
JANATI, T.
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest p 473 A95-89216
JANJINDAMAI, WARICHA
Magnesium attenuates pulmonary hypertension due to hypoxia and group B streptococci
[HTN-95-A0129] p 202 A95-68912
JANKELA, JAN
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
JANKOWSKI, BARBARA
Inhibition of aldosterone release by hypoxia in vitro: Interaction with carbon monoxide
[HTN-95-60031] p 67 A95-62139
JANKOWSKI, JEFFREY A.
Extracellular ionic composition alters kinetics of vesicular release of catecholamines and quantal size during exocytosis at adrenal medullary cells
[AD-A281613] p 146 N95-16112
JANS, M. P.
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering
[HTN-95-A0623] p 278 A95-74324
JANSSEN, PATRICK L.
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs
[HTN-95-A0597] p 272 A95-74298
JANSSENS, STEFAN P.
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats
[HTN-95-A0688] p 293 A95-75257
JANVIER, PHILIPPE
Evolution of the early vertebrates
[HTN-95-92319] p 376 A95-85363
JAQUEZ, R.
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
JARJOURA, DAVID G.
Daily exercise improved blood pressure homeostasis of rats subjected to surgical stress
[HTN-95-60038] p 69 A95-62146
JARLMAN, OLOF
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421262962] p 349 A95-78962
JARRARD, STEPHEN W.
Influence of warning label signal words on perceived hazard level
[HTN-95-B0069] p 390 A95-85885
JARREAU, P. H.
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
JASZCZAK, R. J.
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
JAUCHEM, JAMES R.
Cardiorespiratory changes during microwave-induced lethal heat stress and beta-adrenergic blockade
[HTN-95-A0625] p 279 A95-74326
JAVAUX, DENIS
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787
JAVOY, MARC
Nitrogen isotopic composition of organic matter: Chemical fossils in Precambrian cherts p 127 A95-63861
JAWEED, M.
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756
JAYAWEERA, SURYA K.
Long-range eye tracking: A feasibility study
[DE95-006587] p 393 N95-28176
JEE, W. S. S.
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
JEE, WEBSTER S. S.
Prevent and cure disuse bone loss
[NASA-CR-196845] p 17 N95-11594
JEFFERSON, HENRY C.
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086
JEN, C. J.
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
JENDRASIAK, GORDON L.
Relationship between MRI relaxation time and muscle fiber composition
[HTN-95-00410] p 322 A95-81927
JENESON, J. A. L.
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
JENKINSON, STEPHEN G.
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
JENNER, GORAN
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
JENNINGS, R.
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298
JENNISKENS, PETER
Probing the structure of cometary ice p 419 A95-88727
JENSEN, EBBE WINTHER
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
JENSEN, JAMES O.
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252
JENSEN, JANET L.
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252
JENSEN, O. E.
Interaction of exogenous and endogenous surfactant: Spreading-rate effects
[HTN-95-91921] p 345 A95-82023
JENSEN, RICHARD S.
International Symposium on Aviation Psychology, 7th, Columbus, OH, April 26-29, 1993. Vols. 1 & 2
[HTN-95-52325] p 494 A95-95037
JENSSEN, B. M.
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515
JERNIGAN, T.
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
Graviceptor development in jellyfish ephyrae in space and on Earth
[ISBN 0-08-042485-6] p 9 A95-60669
JEROME, E. H.
Recovery from increased pressure or increased leakiness edema in perfused sheep lungs
[HTN-95-A0602] p 273 A95-74303
JESSUP, J. M.
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639
Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808
JETT, J. H.
Flow cytometry: A powerful technology for measuring biomarkers
[DE94-018284] p 249 N95-22296
JETTO, L.
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators
[HTN-95-21049] p 465 A95-90426
JEX, HENRY R.
Some criteria for teleoperators and virtual environments from experiences with vehicle/operator simulation p 97 N95-14028
JI, XINHUA
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
JIA, SHIFANG
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617
JIAN, JIANG
NMR studies on the weak interactions between amino acids and nucleotides p 126 A95-63853
JIANG, X.
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943
JIMENEZ, C.
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
JIN, WENYAN
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
JOBE, ALAN H.
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00426] p 326 A95-81945
JOBE, KIM
Distributed problem solving by pilots and dispatchers p 495 A95-95065

JOCHEM, TODD M.
Using virtual active vision tools to improve autonomous driving tasks
[AD-A289175] p 392 N95-27013
JOHANSEN, L.
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
JOHANSEN, LARS BO
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
JOHANSSON, JAN-OLOV
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
JOHN, BONNIE E.
The GOMS family of analysis techniques: Tools for design and evaluation
[AD-A285211] p 170 N95-16518
A database for analyzing sequential behavioral data and their associated cognitive models
[AD-A280061] p 260 N95-19887
JOHN, JOSEPH
Tidal volume and alveolar clearance of insoluble particles
[HTN-95-60057] p 74 A95-62165
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
JOHNSON, B. D.
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
JOHNSON, BRUCE D.
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349
JOHNSON, DANIEL L.
Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
Actual effectiveness of hearing protection in high level impulse noise
[AD-A291604] p 449 N95-28941
JOHNSON, DAVID G.
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
JOHNSON, JOHN M.
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
JOHNSON, M.
Dynamic surface tension of surfactant TA: Experiements and theory
[HTN-95-70487] p 227 A95-71509
JOHNSON, MARK
How the brain works
[AD-A279138] p 263 N95-21968
JOHNSON, PARLEY P.
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
JOHNSON, PAUL C.
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
JOHNSON, PETER
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
JOHNSON, R.
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators
p 167 N95-19439
JOHNSON, R. L., JR.
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume
[HTN-95-A0153] p 208 A95-68936
JOHNSON, S.
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792
JOHNSON, SCOTT R.
Oxygen sensor development for life support
[BTN-95-EIX95042477107] p 213 A95-68352
JOHNSON, W. W.
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
JOHNSON, WALTER W.
The effect of scene content on speed, time, and distance perception p 497 A95-95078
Use of optical edge and optical flow rate: Information in the perception and control of ground velocity
p 497 A95-95079
JOHNSTON, ALFRED
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
JOHNSTON, BEN
Marshall Space Flight Center solid waste characterization and recycling improvement study
[NASA-CR-196594] p 402 N95-27164
JOHNSTON, JAMES C.
Attentional limitations with Head-Up Displays
p 494 A95-95046
Improving situation awareness displays for air traffic controllers p 520 A95-95088
JOHNSTON, NEIL
LOS/LOFT debriefing skills and techniques
p 500 A95-95119
Human factors training for the new joint European (JAA) pilot licences p 504 A95-95151
JOHNSTON, P.
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
JOHNSTON, S. L.
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
JOHNSTON, WILLIAM A.
Studies of novel popout
[AD-A285237] p 169 N95-16244
JOKEIT, HENNRIC
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421
JOLLER, H.
Lymphocyte experiment on SLS-1
p 442 A95-88596
JOLLER, P.
Lymphocyte experiment on SLS-1
p 442 A95-88596
JOLLY, S. D.
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265
JONES, BRUCE H.
Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936
JONES, D. A.
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
JONES, D. R.
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis
[HTN-95-60051] p 72 A95-62159
JONES, J. B.
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
JONES, LYNETTE A.
Analysis of the human operator subsystems
p 97 N95-14019
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040
JONES, M. T.
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
JONES, MARI R.
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041
JONES, MICHELE M.
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
JONES, N. L.
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970
JONES, S.
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356
JONES, S. G.
Human factors in incident reporting
p 522 A95-95124
JONES, SHERRIE
Dark focus of accommodation as dependent and independent variables in visual display technology
p 154 N95-16758
JONES, SHERRIE ANN
Simulator sickness implications for advanced training technologies p 490 A95-95163
JONES, T.
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
JONES, T. E.
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558
JONES, TIMOTHY A.
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
JONGBLOETS, R.
Is ligation the only solution to the pyrophosphate problem?
[HTN-95-A0480] p 231 A95-72551
JONGKIND, J. F.
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity
p 432 A95-87488
JONSON, B.
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
JONSON, BJOERN
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
JONSON, BJORN
Tidal volume and alveolar clearance of insoluble particles
[HTN-95-60057] p 74 A95-62165
JONSSON, JON E.
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
Categorization and prioritization of flight deck information p 495 A95-95054
Cognitive representations of flight-deck information attributes p 495 A95-95055
JORALMON, DEFOREST Q.
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513
JORDAN, KEVIN
Head-up displays: Effect of information location on the processing of superimposed symbology
p 517 A95-95048
JORDAN, S.
Self-replicating oligonucleotides p 119 A95-63822
JORGENSEN, LISBETH G.
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
JOUSSELIN, HELENE
Self-assembly of a double-helical complex of sodium
[BTN-94-EIX94401310330] p 305 A95-76505
JOYCE, G.
Directed evolution of catalytic RNA
p 113 A95-63793
JOYNER, MICHAEL J.
Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537
JOYNER, MICHAEL J.
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion
[AD-A289558] p 385 N95-26680
JUDY, M. M.
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
JUEL, CARSTEN
Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361

JUHASZ, T.
Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820
JUHLIN-DANNFELT, ANDERS
Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976
JURANI, M.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106
JURANI, MARIAN
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions
p 45 N95-15144
JURANIOVA, ERIKA
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions
p 45 N95-15144
JURIMAE, JAAK
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368

K

KABEL, JOSEPH R.
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing
[HTN-95-70486] p 227 A95-71508
KACIMI, RACHID
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
KAEMPF, GEORGE L.
Measurement of flight crew performance for the advanced qualification program p 509 A95-95188
KAHAN, N.
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight
p 151 N95-16744
KAIJSER, L.
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
KAISER, M. K.
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
KAISER, MARY K.
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
KAJOLA, MATTI
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348
KALE, P. G.
Genetic effects on heavy ions in drosophila
[NASA-CR-197916] p 307 N95-22911
KALEY, GABOR
Short-term daily exercise activity enhances endothelial NO synthesis in skeletal muscle arterioles of rats
[HTN-95-70085] p 78 A95-62527
KALLAY, OSCAR
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
KALRA, N.
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels
p 361 A95-82587
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590
KAMALUDDIN
Separation and characterization of high molecular weight oligomers from ImpA and volclay reaction
p 112 A95-63785
Oxidation of aniline on the metal ferrocyanides
p 112 A95-63787
Copper complexes: Model for early enzymes
p 122 A95-63838
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054
KAMATH, MANJUNATH
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
KAMBARA, MASAKI
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005
KAMBE, F.
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
KAMBE, FUKUSHI
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension
p 418 A95-88590
KAMENEVA, MARINA V.
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
KAMEYAMA, YOSHIRO
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
KAMIMURA, KAZUHIDE
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
KAMISAKA, S.
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62622
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions
p 408 A95-87491
KAMISAKA, SEIICHIRO
Effect of gravity on plant growth and cell wall properties p 363 A95-82613
KAMM, R. D.
Dynamic surface tension of surfactant TA: Experiements and theory
[HTN-95-70487] p 227 A95-71509
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig
[HTN-95-50892] p 243 A95-73082
KAN, P.
The Pleurodele, an animal model for space biology studies p 414 A95-87522
KANADE, TAKEO
Visual tracking of self-occluding articulated objects
[AD-A292694] p 511 N95-31383
KANAMORI, HITOSHI
Calculation of characteristic x rays in diagnostic d-ray spectrum
[BTN-94-EIX94341341389] p 145 A95-65124
KANAVARIOTI, ANASTASSIA
Template-directed reactions: Kinetic and mechanistic analysis p 115 A95-63803
Template-directed chemistry and the origins of the RNA world
[HTN-95-10293] p 141 A95-64055
KANAZAWA, MINORU
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
KANDA, KAZUMI
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension
p 418 A95-88590
KANDARIAN, SUSAN C.
Advantage of normalizing force production to myofibrillar protein in skeletal muscle cross-sectional area
[HTN-95-60044] p 70 A95-62152
KANEKO, T.
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
KANEKO, TAKEO
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions
p 109 A95-63768
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
KANFER, RUTH
Cognitive/self-regulatory aptitudes and instructional methods for complex skill learning
[AD-A280937] p 20 N95-10536
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
KANNO, TAKAHIRO
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
KANSTRUP, INGE-LIS
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
KAPLAN, DAVID L.
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
KAPLANSKY, A. S.
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
KAPLOWITZ, MARK R.
Developmental differences in vascular responses to hypoxia in lungs of rabbits
[HTN-95-A0104] p 196 A95-68887
Effect of chronic hypoxia on pulmonary vascular pressures in isolated lungs of newborn pigs
[HTN-95-70498] p 229 A95-71520
KAPOOR, SHIV C.
Contribution of postassium to exercise-induced vasodilation in humans
[HTN-95-70482] p 226 A95-71504
KAPPEL, M.
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
KAPPEL, TH.
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
KAPTEIN, N. A.
Subset-selectivity and distractor matching in visual conjunction search
[AD-A285137] p 170 N95-16615
KARAMI, E. H.
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
KARAPONDO, D. L.
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
KARELLAS, ANDREW
Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892
KAREMAKER, JOHN M.
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
KASAMATSU, T.
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
KASAMATSU, TAKASHI
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions
p 109 A95-63768
KASPRZAK, W. T.
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry
[HTN-95-20802] p 268 A95-71162
KASSERRA, C. E.
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis
[HTN-95-60051] p 72 A95-62159
KASTING, JAMES F.
Earth's early atmosphere: How reducing was it?
p 126 A95-63856
KATAOKA, KAZUNORI
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
KATAYAMA, HISASHI
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
KATAYAMA, Y.
Oxygen sensors in vascular smooth muscle
[HTN-95-50885] p 241 A95-73075
KATILA, T.
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971
KATO, K.
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141

KATO, KATHARINE
Ultrastructural and cellular mechanisms in myocardial deconditioning in weightlessness
[ISBN 1-55938-409-3] p 1 A95-60153
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath)
[HTN-94-00465] p 1 A95-60154
KATOH, KAZUAKI
Validity of the concept of absorbed dose as a physical quantity
[HTN-95-B0593] p 488 A95-93843
KATOH, MASAKI
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
KATSIKA, ALEX.
Flight nurse school in the Hellenic Air Force p 452 N95-29629
KATSURA, T.
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process
[BTN-94-EIX94341340604] p 105 A95-63569
KATZ, J. J.
Energy transfer in real and artificial photosynthetic systems
[DE95-005824] p 382 N95-27948
KATZ, MICHAEL S.
Voluntary exercise decreases progression of muscular dystrophy in diaphragm of mdx mice
[HTN-95-A0647] p 284 A95-74348
KAUFMAN, JONATHAN W.
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912
KAUFMAN, LLOYD
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692
KAUFMAN, MARC P.
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
KAULA, WILLIAM M.
Higher order statistics of planetary gravities and topographies
[HTN-95-20761] p 268 A95-71121
KAVANAGH, BRIAN P.
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
KAWABATA, TAKASHI
Right atrial pressure and ANP release during prolonged exercise in a hot environment
[HTN-95-70075] p 76 A95-62517
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
KAWAGOE, YASHUHIRO
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
KAWAGOE, YASUHIRO
Hyperinflation with intrinsic PEEP and respiratory muscle blood flow
[HTN-95-50867] p 237 A95-73057
KAWAHARA, HIROYASU
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
KAWAI, KENICHI
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions p 111 A95-63782
KAWAI, NORIYO
Exercise effect on bone remineralization after experimental osteoporosis of tail suspended rat p 362 A95-82607
KAWAI, TSUYOSHI
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005
KAWAKAMI, YOSHIKAZU
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole
[HTN-95-10065] p 49 A95-61916
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
KAWAKUBO, K.
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
KAWAKUBO, KIYOSHI
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
KAWAMURA, KUNIO
Kinetics of dimerization and oligomerization of the 5'-phosphorimidazolide of adenosine on Na(+)-montmorillonite p 121 A95-63835
KAWAMURA, TAKEYA
Automation and crew time saving in the space experiment p 315 N95-23715
KAWANO, SETSUKO
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
KAWASAKI, Y.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Studies in the search for life on Mars p 192 A95-66779
Behavior of space frog p 362 A95-82611
KAWASAKI, YUKISHIGE
Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
KAWASHIMA, T.
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v p 416 A95-88570
KAY, AMANDA
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947
KAY, E. J.
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Age 60 study. Part 4: Experimental evaluation of pilot performance
[REPT-8025-4B] p 35 N95-13199
KAY, EDWIN J.
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
Age 60 study. Part 4: Experimental evaluation of pilot performance
[AD-A286248] p 161 N95-19385
Age 60 study. Part 2: Airline pilot age and performance. A review of the scientific literature
[AD-A286246] p 257 N95-22040
KAY, ROBERT
Space Station Freedom carbon dioxide removal flight design
[SAE PAPER 932108] p 461 A95-90351
KAYSER, BENGT
Fatigue and exhaustion in chronic hypobaric hypoxia: influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
KAZARIANS, G. A.
Development and chromosome mechanics in nematodes: Results from IML-1
[ISBN 0-08-042485-6] p 6 A95-60657
KAZEMI, H.
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
KAZEROONI, H.
On the role of exchange of power and information signals in control and stability of the human-robot interaction p 101 N95-14051
KE, H. Z.
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
KEAR, K. T.
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
KEARNS, KEVIN J.
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
KEDAR, T.
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
KEEFE, ANTHONY D.
Evolution of biosynthesis of hydrophobic amino acids p 132 A95-63879
Evolution of the biosynthesis of the branched-chain amino acids p 420 A95-88733
KEELING, KIM
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
KEEN, DOUGLAS A.
Training-related enhancement in the control of motor output in elderly humans
[HTN-95-70457] p 220 A95-71479
KEENS, THOMAS G.
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532
KEHR, E.
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines p 528 N95-32726
KEIJZER, MARLEEN
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
KEIL, L.
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
KEIL, L. C.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
KEIZER, H. A.
Adaptation and overtraining in horses subjected to increasing training loads
[HTN-95-70076] p 76 A95-62518
KELLER, TONY S.
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
KELLY, DAVID P.
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
KELLY, LEIGH
Altitude control: Effects of texture and global optical flow p 497 A95-95080
KELLY, SUZANNE M.
Altered mechanical properties of lung parenchyma in postobstructive pulmonary vasculopathy
[HTN-95-70484] p 226 A95-71506
KELLY, T. L.
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083
KELLY, TAMSIN L.
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
KEMMLER, REINER W.
Leadership-behavior in high-tech-cockpits (A 320) p 500 A95-95116
KEMP, JAMES S.
Quantifying the potential of infant bedding to limit CO2 dispersal and factors affecting rebreathing in bedding
[HTN-95-91920] p 344 A95-82022
KENDRICK, KEITH
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
KENDRICK, ZEBULON V.
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306
KENNEDY, ROBERT
Dark focus of accommodation as dependent and independent variables in visual display technology p 154 N95-16758
KENNEDY, ROBERT S.
Disorientation and postural disequilibrium from simulated flight p 490 A95-95164
KENNEY, MICHAEL J.
Sympathetic nerve responses to hyperthermia in the anesthetized rat
[HTN-95-00421] p 325 A95-81938
KENSTAVICIENE, P.
In vitro plant cell growth in microgravity and on clinostat
[ISBN 0-08-042485-6] p 3 A95-60641
KERGUELEN, MARTINE
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539
KERN, V. D.
Fungi in space - Literature survey on fungi used for space research
[HTN-95-80093] p 105 A95-63479

Gravimorphogenesis and ultrastructure of the fungus Flammulina velutipes grown in space, on clinostats and under hyper-G conditions p 412 A95-87512

KERNELL, D.
Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist
[HTN-95-A0152] p 207 A95-68935

KERNER, J. A.
Feasibility of an integrated X-ray instrument for Mars exobiology and geology p 185 A95-63892

KERR, D.
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034

KERRIDGE, J. F.
Origin of amino acids in the early solar system p 214 A95-66764

KERSTHOLT, J. H.
Learning effects on strategy selection in a dynamic task environment as a function of time pressure
[AD-A285458] p 212 N95-19538
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure
[AD-A285389] p 262 N95-20609

KERZ, O.
ERA-experiment 'space biochemistry' p 404 A95-83984

KERZ, OLIVER
The stability of DNA in extreme dryness p 135 A95-63894

KESL, LYLE D.
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341

KEY DISMUKES, R.
Aviation human factors research in U.S. universities: Potential contributions to national needs
[HTN-95-92290] p 397 A95-85334

KHACHATURYANZ, M. L.
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615

KHALILI, KAVEH
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354

KHAMMARI, AMIR
Changes in potassium contractures due to simulated weightlessness in rat soleus muscle
[HTN-95-50866] p 237 A95-73056

KHANNA, R. K.
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219

KHARBANDA, SURENDER
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912

KHARE, B.
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797

KHARE, BISHUN N.
Organic aerosols in the atmosphere of Titan p 183 A95-63754

KHARITONOV, Y. P.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666

KHATTAB, WABIL Y.
Undetected neuropsychophysiological sequelae of Idhat chewing in standard aviation medical examination
[HTN-95-01210] p 444 A95-91442

KHAWLI, FADI A.
N-acetylcysteine depresses contractile function and inhibits fatigue of diaphragm in vitro
[HTN-95-A0616] p 276 A95-74317

KHIL'CHEVSKAYA, ELENA G.
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis
[HTN-95-01237] p 427 A95-91469

KHIMENKO, PAUL L.
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259

KHIMENKO, PAVEL L.
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949

KHLIFI, M.
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016

KHLIFI, MOHAMED
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727

KHOMENKO, M. N.
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056

KHOO, MICHAEL C. K.
Ventilatory response to randomly modulated hypercapnia and hypoxia in humans
[HTN-95-70093] p 80 A95-62535

KHOSIA, PRADEEP K.
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884

KHOSLA, D.
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876

KHOSLA, PRADEEP K.
Force and vision resolvability for assimilating disparate sensory feedback
[AD-A293581] p 512 N95-31685

KHRUSHCHOV, N. G.
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529

KIDA, TAKASHI
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469

KIEDROWSKI, G. V.
Molecular replication: From minimal to complex systems p 114 A95-63796
Self-replicating oligonucleotides p 119 A95-63822

KIEFER, J.
Estimation of spatially restricted LET using track structure models p 527 N95-32722
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731

KIEL, JOHNATHAN L.
Considerations for human exposure standards for fast-rise-time high-peak-power electromagnetic pulses
[HTN-95-82918] p 446 A95-91856
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059

KIENS, BENTE
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020

KIERAS, DAVID E.
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
The GOMS family of analysis techniques: Tools for design and evaluation
[AD-A285211] p 170 N95-16518

KIHM, E.
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645

KILGORE, J. L.
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143

KILIAN, JOHN P.
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059

KIM, H.
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876

KIM, J. M.
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600

KIM, T.
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation
[BTN-95-EIX95332424677] p 488 A95-94875
Functional MRI at 1.5T
[BTN-95-EIX95332424676] p 488 A95-94876

KIM, W. S.
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256

KIM, YOUNG
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947

KIMBALL, WILLIAM R.
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281

KIMURA, SHUJI
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507

KINARTY, A.
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036

KINEFUCHI, YOSHIO
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure
[HTN-95-A0679] p 291 A95-74380

KING, DOUGLAS S.
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341

KING, IVEY H.
Creation of new items and forms for the Project A Assembling Objects test
[AD-A285522] p 174 N95-18095

KING, M.
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943

KING, RAYMOND B.
Using computerized neuropsychological testing to assess aviator skills
[AD-A293227] p 511 N95-30905

KING, RAYMOND E.
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376

KINKEAD, E. R.
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318

KINNEAR, W.
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950

KINNEY, JOHN H.
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275

KIRBY-DOBBELS, KATHY
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
[HTN-95-00430] p 327 A95-81947

KIRIS, ESIN O.
Information presentation for expert systems in future fighter aircraft
[HTN-95-92291] p 397 A95-85335
Information presentation for expert systems in future aircraft cockpits p 516 A95-95038

KIRLEW, KONRAD A. T.
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533

KIROL, LANCE
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354

KIRSCH, K.
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899

KIRSCH, K. A.
The fluid content of the shell tissues of the human body under different experimental conditions
p 437 A95-88564
KIRSCH, KARL
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955
KIRSCHENBAUM, SUSAN S.
Effects of graphic and verbal probability information on command decision making
[HTN-95-B0064] p 389 A95-85880
KIRTON, TOM
A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190
KIRYU, TAKESHI
Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614
KISSEL, J.
The organic and mineral inventory of comets and the possible role in early biological activities: A summary of the mass spectrometric studies of comet p/Halley
p 182 A95-63750
Mass-spectrometric in situ studies of cometary organics for p/Halley and options for the future
p 190 A95-66758
KIST, A. A.
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
KITAYA, Y.
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
KITTERMAN, JOSEPH A.
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995
KIYOTA, M.
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
KIZAKI, TAKAKO
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
KJAER, M.
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
KJELDSEN, KELD
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531
KLABUNOVSKY, E. I.
On the possible paths of optical (photochemical) activation of living matter p 130 A95-63872
KLAUS, D. M.
Four educational programs in Space Life Sciences
[ISBN 0-08-042485-6] p 12 A95-60688
Theories and models on the biological of cells in space p 408 A95-87486
KLEEN, G.
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
KLEIN, A.
ERA-experiment 'space biochemistry'
p 404 A95-83984
KLEIN, GARY
Determining the decision requirements of complex flight crew tasks p 495 A95-95069
KLEIN, H.
Site selection for Mars exobiology
p 215 A95-66771
KLEIN, H. P.
An exobiology science strategy for Mars exploration
p 186 A95-63901
Exobiological exploration of Mars p 215 A95-66770
KLEIN, M.
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound
p 444 A95-90863
KLEIN, S.
Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
KLEIN, STANLEY
Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473
KLEMM, R. D.
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
KLIBANOV, A. M.
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843
KLINENBERG, EDWARD J.
Crosshift vibrometry: Biomarker for ergonomic stress
[AD-A284337] p 180 N95-18385
KLINGER, DAVID W.
Measurement of flight crew performance for the advanced qualification program p 509 A95-95188
KLINGER, JAMES R.
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
KLISS, M.
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
KLISS, MARK H.
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
KLOKKER, M.
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
KLUGER, MATTHEW J.
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987
Conference perspective. Neuroimmunomodulation: Stress and immune function
[AD-A291351] p 492 N95-30870
KLUTE, GLENN K.
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
Geometry and gravity influences on strength capability
[NASA-TP-3511] p 180 N95-18189
KLYMENKO, VICTOR
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
KNACK, K. K.
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
KNAPIK, JOSEPH J.
Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936
KNAPP, BEVERLY G.
Preliminary analysis of Army aircrew requirements for Joint Surveillance Target Attack Radar System (JSTARS): Human performance requirements and job demands
[AD-A284917] p 104 N95-15759
KNAPP, C. F.
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
KNAPP, F. F., JR.
Nuclear medicine program
[DE94-017530] p 160 N95-19244
KNIERIM, JAMES J.
A model of the neural basis of the rat's sense of direction
[AD-A289678] p 381 N95-26761
Hippocampal place fields, the internal compass, and the learning of landmark stability
[AD-A289406] p 381 N95-27100
KNOCKE, P. C.
Cometary coma chemical composition (C4) mission
p 110 A95-63773
KNORR, UWE
Cerebral hemodynamics during sensorimotor activation in humans
[HTN-95-70474] p 224 A95-71496
KNOTT, W. M.
Soybean cotyledon starch metabolism is sensitive to altered gravity conditions
[ISBN 0-08-042485-6] p 4 A95-60644
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity
p 476 A95-93765
Proximate nutritional composition of CELSS crops grown at different CO2 partial pressures p 477 A95-93780
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
KNOX, A.
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
KNUTTGEN, HOWARD G.
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
KNUUTILA, JUKKA
Source distribution of visual evoked neuromagnetic responses
[PB95-127643] p 255 N95-21348
KOBAYASHI, K.
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Studies in the search for life on Mars
p 192 A95-66779
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
KOBAYASHI, KENSEI
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions
p 109 A95-63768
Formation and alteration of organic compounds under submarine hydrothermal vent environments
p 134 A95-63889
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
KOBAYASHI, NOBORU
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
KOBAYASHI, SHUICHI
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole
[HTN-95-10065] p 49 A95-61916
KOBAYASHI, TOSHIO
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
KOCH, ARTHUR L.
Development and diversification of the last universal ancestor p 132 A95-63878
KOCH, CHRISTOF
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
KOCHAVI, E.
An assemblage of free amino acids as a possible prebiotic enzyme p 115 A95-63806
KOCHUBEI, V. I.
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
KOCIAN, DEAN F.
Design and integration issues of visually-coupled evaluation
[AD-A293521] p 525 N95-31538
KOEBEL, D. A.
Effects of hypergravity on immunologic function
[HTN-95-60848] p 319 A95-78302
KOEBEL, D. ANNE
Influence of spaceflight on the production of interleukin-3 and interleukin-6 by rat spleen and thymus cells
[HTN-95-00411] p 322 A95-81928
KOEDA, MITSUHIRO
An observation of vestibular spinal relationship
p 438 A95-88569
KOELINK, M. H.
Optical properties of human dermis in vitro and in vivo
[BTN-94-EIX94421282944] p 320 A95-78955
KOELMAN, HARTMUT
Certification of tactics and strategies in aviation
p 541 N95-34768
KOENIG, D. W.
Microbiological characterization of a regenerative life support system p 515 A95-93808

KOENIG, E.
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
KOENIG, E. M.
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
KOENIG, EVA MARIA
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
KOENIG, EVA MARIE
Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131
KOENIG, S. C.
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
KOENIG, STEPHAN A.
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity
[HTN-95-A0600] p 272 A95-74301
KOERNER, G.
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792
KOERTJE, K. H.
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
KOESLAG, JOHAN H.
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
KOGA, KAZUO
Difficultie of target motion perception in space p 439 A95-88576
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
KOHARA, MASANORI
Formation and alteration of organic compounds under submarine hydrothermal vent environments p 134 A95-63889
KOHL, R. L.
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745
KOHL, RANDALL L.
The relationship between space sickness and preflight diet p 88 N95-15122
KOHONEN, TEUVO
Attempt to interpret the self-organizing mapping physiologically
[PB95-127783] p 247 N95-21112
KOIKE, H.
AstroNewt: Early development of newt in space p 414 A95-87521
KOIKE, J.
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Studies in the search for life on Mars p 192 A95-66779
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
KOIKE, JUNPEI
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions p 109 A95-63768
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Considerations of extraterresterial life p 403 A95-82618
KOIZUMI, TOMONOBU
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
KOLB, MICHELLE
The impact of automation on crew communication and performance p 501 A95-95125
KOLB, VERA
Phosphorylation of glyceric acid p 112 A95-63786
Oligonucleotides as probes for studying polymerization reactions under prebiotic conditions p 121 A95-63833
KOLB, VERA M.
Urazole is a potential precursor to uracil p 107 A95-63762
KOLBECK, RALPH C.
Fatigue of rapid and slow onset in isolated perfused rat and mouse diaphragms
[HTN-95-A0674] p 290 A95-74375
KOLKA, MARGARET A.
Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809
KOLLER, AKOS
Short-term daily exercise activity enhances endothelial NO synthesis in skeletal muscle arterioles of rats
[HTN-95-70085] p 78 A95-62527
KOMABAYASHI, TAKAO
Ca(2+) and lipolysis in adipocytes from exercise-trained rats
[HTN-95-70462] p 221 A95-71484
KOMADA, SATORU
Development of Advanced Robotic Hand System for space application p 314 N95-23704
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
KOMATSU, TADASHI
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
KOMODA, MASAKI
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
KOMOLOV, V. V.
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
KOMULAINEN, JYRKI
Running-induced muscle injury and myocellular enzyme release in rats
[HTN-95-50872] p 238 A95-73062
KONDO, AKIRA
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst p 110 A95-63777
KONDO, SHIGEKI
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
KONDRACHUK, A. V.
The theoretical consideration of microgravity effects on a cell p 412 A95-87509
KONNO, K.
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942
KOO, JIRO
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714
KOOI, F. L.
Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822
KOONCE, JEFFERSON M.
An incremental transfer study of scene detail and field of view effects on beginning flight training p 504 A95-95152
Scene content, field of view and amount of training in first officer training p 505 A95-95155
KOOS, BRIAN J.
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492
KOPELL, N.
Inhibition-produced patterning in chains of coupled nonlinear oscillators
[BTN-94-EIX94341340325] p 27 A95-60861
KOPPEL, L. N.
Feasibility of an integrated X-ray instrument for Mars exobiology and geology p 185 A95-63892
KORB, JACQUELINE S.
Experiential learning in crew resource management p 500 A95-95114
KORDUCKI, M. J.
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370
KORDUCKI, MARK J.
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
KORDYUM, E.
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
KORDYUM, E. L.
Effects of altered gravity on plant cell processes: Results of recent space and clinostatic experiments
[ISBN 0-08-042485-6] p 3 A95-60640
KORENEVA, L. G.
Dynamical thermovision for a study of blood flow regulation and pathologies
[BTN-94-EIX94401361400] p 310 A95-75510
KOROLEV, A. E.
Compact holographic apparatus for stomatology
[HTN-95-61170] p 399 A95-86269
KOROS, ANTON, SR.
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
KORSMEYER, DAVID J.
The NASA Ames Controlled Environment Research Chamber - Present status
[SAE-TP-941488] p 22 A95-60150
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
KORTELING, J. E.
Multiple-task performance: A critical review of the literature and a cognitive neuroscience framework
[AD-A285133] p 212 N95-19583
KORTELING, J. E. HANS
Effects of aging, skill modification, and demand alternation on multiple-task performance
[HTN-95-B0110] p 378 A95-85926
KOSMO, JOSEPH
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
KOST, M.
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
KOSTAL, L.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
KOSTINA, L. N.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
KOSUGI, KAZUO
Influence to organs by ten weeks tail suspension p 45 N95-15142
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
KOTENG, S.
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
KOTLYAKOV, VLADIMIR M.
Architectural concept of Antarctic station of a new generation p 24 N95-11604
KOTULAK, JOHN C.
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
KOURNIKAKIS, B.
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
KOVACS, KALMAN
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
KOWALCHUNK, J. M.
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970
KOWALCZYK, PIOTR
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air p 31 N95-11806
KOYAMA, KOICHI
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370
KOYAMA, YOSHIYUKI
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
KOYANAGI, KOHJI
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
KOZAK, WIESLAW E.
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987

KOZIRIS, L. P.
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
KOZLOVSKAYA, INESSA
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
KOZUBEK, S.
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
KRAEMER, R. R.
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
KRAEMER, W. J.
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
KRAEMER, WILLIAM J.
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
KRAFT-WEYRATHER, W.
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines
p 528 N95-32726
KRAFT, G.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI)
p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines
p 528 N95-32726
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions
p 529 N95-32729
KRAFT, SALLY A.
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
KRAMER, ARTHUR F.
Toward a psychophysical assessment of dynamic changes in mental workload
[HTN-95-B0109] p 397 A95-85925
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
KRANTZ, J. H.
Destabilizing effects of visual environment motions simulating eye movements or head movements
p 103 N95-14061
KRASNEY, ELIZABETH
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913
KRASNEY, JOHN A.
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913
KREBS, W. K.
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
KREIENBERG, PAUL B.
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318
KRENZ, G. S.
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
KRENZ, GARY S.
Influence of hypoxia and serotonin on small pulmonary vessels
[HTN-95-10073] p 51 A95-61924
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree
[HTN-95-A0121] p 200 A95-68904
Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
KRETCHMER, NORMAN
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
KREUZBERG, K.
C.E.B.A.S. mini module: Test results of an artificial (man-made) aquatic ecosystem p 477 A95-93771
KRIPKE, M. L.
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
KRISHNA, G. GOPAL
Contribution of postassium to exercise-induced vasodilation in humans
[HTN-95-70482] p 226 A95-71504
KRISTAL-BONEH, ESTELA
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448
KRISTIANSEN, SOREN
Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962
KRONENBERG, AMY
Mutagenesis in human cells with accelerated H and Fe ions
[NASA-CR-198599] p 382 N95-28177
KRUEGER, F. R.
The organic and mineral inventory of comets and the possible role in early biological activities: A summary of the mass spectrometric studies of comet p/Halley
p 182 A95-63750
Mass-spectrometric in situ studies of cometary organics for p/Halley and options for the future
p 190 A95-66758
Carbonaceous matter in cometary dust and coma
p 218 A95-66803
KRUEGER, FRANZ R.
Elemental and isotopic composition of cometary grains: Implications for abiotic synthesis p 108 A95-63767
KRUEGER, MYRON W.
A two dimensional artificial reality p 101 N95-14052
KRULOVA, NATALIE V.
Architectural concept of Antarctic station of a new generation p 24 N95-11604
KRUSE, ROBERT J.
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020
KRUTZ, R. W.
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
KRZYCKI, JOSEPH A.
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873
KUBO, KEISHI
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
KUBO, TOMOAKI
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
KUCHAR, JAMES K.
Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575
KUDRIMOTI, HEMANT S.
A model of the neural basis of the rat's sense of direction
[AD-A289678] p 381 N95-26761
Hippocampal place fields, the internal compass, and the learning of landmark stability
[AD-A289406] p 381 N95-27100
KUEBLER, WOLFGANG M.
Leukocyte kinetics in pulmonary microcirculation: Intravital fluorescence microscopic study
[HTN-95-10074] p 51 A95-61925
KUFE, DONALD
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
KUFFLER, DAMIEN
Characterization of neurotrophic and neurotropic interactions between neurons and their muscle and nerve targets
[AD-A281846] p 148 N95-16423
KUFFLER, DAMIEN P.
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
KUHNEL-KRATZ, CH.
Phototaxis in the flagellate, Euglena gracilis, under the effect of microgravity
[HTN-95-80092] p 105 A95-63478
KUHNLE, GERHARD E. H.
Leukocyte kinetics in pulmonary microcirculation: Intravital fluorescence microscopic study
[HTN-95-10074] p 51 A95-61925
KUIPER, HILBERT
POINTER: Portable Intelligent Trainer for External Robotics p 315 N95-23714
KUIPERS, H.
Adaptation and overtraining in horses subjected to increasing training loads
[HTN-95-70076] p 76 A95-62518
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
KUKUI, L. M.
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
KULAEV, IGOR S.
The role of polyphosphates at different stages of life evolution on Earth p 135 A95-63895
KULEV, Y. D.
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251
KULKARNI, A.
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
KULPA, C. F.
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697
KUMAR, JAYANT
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
KUMAR, K. V.
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
KUMAR, SHRAWAN
A conceptual model of overexertion, safety, and risk of injury in occupational settings
[HTN-95-B0070] p 377 A95-85886
KUME, MASAKI
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714
KUNA, SAMUEL T.
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495
KUNDE, DAVID R.
Scene content, field of view and amount of training in first officer training p 505 A95-95155
KUNISHIMA, TOMOYUKI
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
KUNTZ, L. A.
Destabilizing effects of visual environment motions simulating eye movements or head movements
p 103 N95-14061
KUO, E. W.
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
KUPARI, MARKKU
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
KURAT, G.
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765
KURDAK, S. SADI
Initial fall in skeletal muscle force development during ischemia is related to oxygen availability
[HTN-95-50873] p 238 A95-73063
KURDAK, SADI
L-(+)-lactate infusion into working dog gastrocnemius: No evidence lactate per se mediates V(O2) slow component
[HTN-95-60039] p 69 A95-62147
KUREK, N. K.
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075

KURMAZENKO, EDWARD A.
Functions effectiveness model for design of integrated regenerative life support system
[SAE PAPER 932066] p 467 A95-91644
KURODA, HIDEYUKI
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
KUROTANI, T.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Behavior of space frog p 362 A95-82611
KUSHMERICK, M. J.
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis
[HTN-95-60051] p 72 A95-62159
KUSTRA, TODD W.
Aerospace medicine
[AD-A289691] p 385 N95-26763
KUWAO, FUMIHIRO
Development of Japanese experiment module remote manipulator system p 315 N95-23708
KWON, OJUNG
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
KYTOLA, JOHANNA
Running-induced muscle injury and myocellular enzyme release in rats
[HTN-95-50872] p 238 A95-73062

L

LABOURDETTE, XAVIER
Performance of EVA suit mobility joints influence of driving parameters
[SAE PAPER 932098] p 460 A95-90342
LABRANCH, ELMER J.
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
LACEY, JAMES C., JR.
Relationships of essence and form in the origin of the genetic system p 136 A95-63905
LACKNER, JAMES R.
Intersensory coordination p 97 N95-14020
LACOLLEY, P.
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
LACY, J.
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
LADIN, ZVI
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait
[HTN-95-21598] p 374 A95-83383
LAFONT, SYLVAINE
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141
LAFRAMBOISE, J.
Differential effects of voluntary and involuntary activation on contractile characteristics of two human muscles
[HTN-95-10124] p 64 A95-61975
LAGARDE, DIDIER
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
LAHAT, N.
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
LAHAV, NOAM
The RNA-world and co-evolution hypothesis and the origin of life: Implications, research strategies and perspectives
[HTN-95-A0482] p 231 A95-72553
LAHIRI, S.
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB
[HTN-95-00414] p 323 A95-81931
LAHOZ-BELTRA, R.
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell p 118 A95-63820
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins p 125 A95-63852
LAI-FOOK, S. J.
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
LAI, CHUANSHAN
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828
LAIDLAW, DOUGLASS H.
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
LAINE, GLEN A.
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
LAKATTA, EDWARD G.
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
LALWANI, NARENDRA D.
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
LAMANNA, JOSEPH C.
Hypoxia increases glucose transport at blood-brain barrier in rats
[HTN-95-A0143] p 205 A95-68926
LAMBERT, C. R.
Nuclear medicine program
[DE94-017530] p 160 N95-19244
LAMBERT, ESTELLE V.
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
LAMBERT, G. P.
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
LAMBERT, MICHAEL I.
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
LAMBERT, R. K.
Determinants of airway smooth muscle shortening in excised canine lobes
[HTN-95-91902] p 340 A95-82004
LAMBERTH, J. G.
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
LAMBERTSEN, C. J.
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158
LAMBO, RICHARD T.
The co-pilot: Pilot's 'mate' or pilot-in-the-making? a study of ambiguity and conflict in the cockpit p 499 A95-95109
LAMBO, ROGER K.
The co-pilot: Pilot's 'mate' or pilot-in-the-making? a study of ambiguity and conflict in the cockpit p 499 A95-95109
LAMERMAYER, PAUL J.
Uses of part-task trainers in instrument flight training p 504 A95-95158
LAMM, W. J. E.
Flow pulsatility does not increase mean microvascular pressure or filtration in zone 3 rabbit lungs
[HTN-95-00424] p 325 A95-81941
LAMOTTE, R. H.
Tactile discrimination and representations of texture, shape, and softness p 99 N95-14041
LAMPERT, ELIANE
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
LAMPI, RAUNO A.
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
LAND, MICHAEL F.
The unique visual system of the mantis shrimp
[HTN-95-92323] p 376 A95-85367
LANDHEIM, R.
Site selection for Mars exobiology p 215 A95-66771
LANDIS, D. M.
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
LANDRY, JENNIFER S.
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
LANDRY, JOSEPH C.
Far-infrared spectroscopy of CO2 clathrate hydrate with Martian applications
[HTN-95-51074] p 317 A95-77124
LANDS, LARRY C.
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
LANDUCCI, R.
Anaerobic digestion analysis model: User's manual
[DE94-011858] p 246 N95-20471
LANE, STEVEN D.
Experiential learning in crew resource management p 500 A95-95114
LANE, SUSAN M.
Time course of blood volume changes in an isolated lung lobe after venous pressure elevation
[HTN-95-70496] p 229 A95-71518
LANGE, F.
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
LANGE, RICHARD A.
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
LANGE, ROBERT D.
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
LANGER, ROBERT S.
Proceedings of the 11th congress of the international society for artificial cells, blood substitutes and immobilization biotechnology
[AD-A290342] p 431 N95-29088
LANGHANS, GARY W.
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10087] p 55 A95-61938
LANSING, M.
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
LANSMAN, JEFFRY B.
Molecular probes of gating and open channel conformational transitions of mechanosensitive ion channels
[AD-A291170] p 453 N95-29827
LANZA-JACOBY, SUSAN
Effects of estradiol on lipoprotein lipase activity and lipid availability in exercised male rats
[HTN-95-A0605] p 274 A95-74306
LANZA, JOHN F.
Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936
LAOR, A.
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
LAPAEV, E. V.
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
LAPIER, TANYA KINNEY
Alterations in intramuscular tissue after limb casting affect contraction-induced muscle injury
[HTN-95-00439] p 329 A95-81956
LAPORTA, DENNY
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
LARA, RITALUZ
Neurodynamic oscillators p 311 N95-22987
LARISH, INGE
Attentional tunneling and the head-up display p 522 A95-95176
LARKIN, K.
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
LARKIN, VERA A.
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
LAROCHELLE, F. T.
Countermeasure development to space adaptation p 439 A95-88578
LARRONDO, J.
Taxonomy and philogeny: Palaeomycology p 130 A95-63873
LARSEN, ANDERS SCHERMACHER
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
LARSEN, GARY L.
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982

LARSEN, K.
Formation of otoconia in the Japanese red-bellied newt, Cynops pyrrhogaster
[ISBN 0-08-042485-6] p 9 A95-60670
LARSON, D. ENETTE
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
LASAGA, MARIA I.
Integration of local features as a function of global goodness and spacing
[HTN-94-00404] p 19 A95-60124
LASALLE, L.
Photolysis of phosphine in the presence of acetylene and propyne, gas mixtures of planetary interest
p 473 A95-89216
LASH, JULIA M.
Contribution of arterial feed vessels to skeletal muscle functional hyperemia
[HTN-95-10099] p 58 A95-61950
Arterial and arteriolar contributions to skeletal muscle functional hyperemia in spontaneously hypertensive rats
[HTN-95-21565] p 366 A95-83350
Excess oxygen delivery during muscle contractions in spontaneously hypertensive rats
[HTN-95-21566] p 366 A95-83351
LASSALLE, LAURENT
Photolysis of gaseous mixtures containing phosphine or germane p 184 A95-63775
LASSEN, NIELS A.
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
LASSEUR, CH.
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
Biological life support for manned missions by ESA
p 513 A95-93768
LAST, J. A.
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
LATHAM, R. P.
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
LATHAM, RICK D.
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
LATHAM, RICKY D.
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight
p 42 N95-15094
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
LATIN, R. X.
Machine vision monitoring of plant health
p 478 A95-93784
LATZKA, WILLIAM A.
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
LAUBER, JOHN K.
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations
[NASA-TM-108856] p 91 N95-15649
LAUDEMAN, IRENE V.
Measurement of taskload in the analysis of aircrew performance p 507 A95-95174
LAUDERT, SUSAN
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats
[HTN-95-70477] p 224 A95-71499
LAUGHLIN, JULIA
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
LAUGHLIN, M. H.
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
LAUMOND, JEAN-PAUL
Set of reachable positions for a car
[BTN-95-EIX95332423428] p 516 A95-95019
LAURINAVICIUS, R.
In vitro plant cell growth in microgravity and on clinostat
[ISBN 0-08-042485-6] p 3 A95-60641
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
LAUWERYNS, J. M.
Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs
[HTN-95-A0662] p 287 A95-74363
LAUX, U.
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
LAVORINI, FEDERICO
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985
LAW, J. RANDOLPH
Position-specific behaviors and their impact on crew performance: Implications for training
p 501 A95-95121
LAW, KEITH
MAC/FAC: A model of similarity-based retrieval
[AD-A286291] p 263 N95-22052
LAWLER, JOHN M.
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
LAWRENCE, RICHARD A.
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
LAWTON, TERI B.
Computational vision based on neurobiology
[AD-A284472] p 146 N95-16135
LAYNE, CHARLES S.
Microgravity effects on 'postural' muscle activity patterns
[ISBN 0-08-042485-6] p 15 A95-60678
LAYTON, CHARLES
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
LAZCANO, A.
The early evolution of metabolic pathways
p 132 A95-63880
Early gene duplication and the origin of biochemical regulation p 133 A95-63882
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase p 137 A95-63911
Comets and life in the Universe p 190 A95-66761
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
LAZCANO, ANTONIO
How complex was the last common ancestor?
p 137 A95-63908
Evolution of the biosynthesis of the branched-chain amino acids p 420 A95-88733
LE PAGE, CHRISTINE
Sex as a determining factor in the effect of exercise on in vivo autoimmune response adjuvant arthritis
[HTN-95-10116] p 62 A95-61967
Effect of muscular exercise on chronic relapsing experimental autoimmune encephalomyelitis
[HTN-95-50862] p 236 A95-73052
LE TRONG, JEAN-LOUIS
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
LEACH, CAROLYN S.
Duration versus response to space-flight exposure
p 437 A95-88563
LEACH, JOHN
Psychological first-aid: A practical aide-memoire
[HTN-95-12210] p 455 A95-91910
LEAHY, R. M.
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426
LEBACQZ, J. VICTOR
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
LEBLANC, A.
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight
p 152 N95-16749
LECAROENTIER, YVES
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
LECARPENTIER, YVES
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
LECHNER, JOHN F.
Urban air carcinogens and their effects on health
[DE95-002259] p 257 N95-22285
LECOMTE, R.
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
LECOUAT, FRANCOIS
Formalizing procedures for operations automation, operator training and spacecraft autonomy
p 315 N95-23720
LEDBETTER, JEFFREY A.
How B and T cells talk to each other
[BTN-94-EIX94401310326] p 305 A95-76501
LEDLEY, ROBERT S.
Georgetown Institute for Cognitive and Computational Sciences
[AD-A289775] p 457 N95-29458
LEDSOME, J. R.
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
LEE, CHU-CHING H.
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995
LEE, D. W.
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning
[PB95-196382] p 403 N95-28659
LEE, DAVID
Marshall Space Flight Center solid waste characterization and recycling improvement study
[NASA-CR-196594] p 402 N95-27164
LEE, ERIC G.
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
LEE, EU JIN
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
LEE, HAN YEONG
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
LEE, JUNG WOON
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
LEE, MARGARET S.
Effects of irradiance and spot size on pulsed holmium laser ablation of tissue
[BTN-94-EIX94421282961] p 349 A95-78961
LEE, S.
Ultrashort laser pulse effects in ocular and related media: Laser-induced shock wave propagation and retinal damage
[AD-A282599] p 32 N95-12535
LEE, SEUNG HEE
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
LEE, STUART M. C.
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
LEE, THOMAS C.
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
LEE, TON
Double layer hydroxide minerals as host structures for bioorganic molecules p 135 A95-63896
LEE, Y. T. T.
Body dimensions for apparel
[PB94-187739] p 37 N95-11908
LEE, YONG HEE
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
LEE, YOUN-HYUNG
Equally parsimonious pathways of RNA evolution may not be equally valid p 136 A95-63906

Experimental investigation of an RNA sequence space
[HTN-95-A0484] p 231 A95-72555

LEEDOM, DENNIS K.
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight
p 494 A95-95047

LEEMAN, MARC
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330

LEEVERS, A. M.
Regional diaphragm shortening measured by sonomicrometry
[HTN-95-70492] p 228 A95-71514
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283

LEEVERS, ANN M.
Apnea after normocapnic mechanical ventilation during NREM sleep
[HTN-95-50876] p 239 A95-73066

LEGREE, PETER J.
The effect of response format on reliability estimates for tacit knowledge scales
[AD-A283547] p 94 N95-15326

LEGROS, JEAN-CLAUDE
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650

LEHMAN, N.
Directed evolution of catalytic RNA
p 113 A95-63793

LEHNERT, B. E.
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600

LEHTINEN, H.
Force based motion control of a walking machine
[PB95-129672] p 264 N95-20276

LEIFER, LARRY
Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044

LEIGH, JACK, JR.
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286

LEIGH, R. JOHN
Head perturbations during walking while viewing a head-fixed target
[HTN-95-01208] p 466 A95-91440

LEIKAUF, GEORGE D.
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359

LEIN, A. YU.
Biogeochemical evidence of microbial activity on Mars
p 192 A95-66780

LEISEIFER, H. P.
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631

LEITCH, STEWART P.
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
Interactive effects of K(+), acidosis, and catecholamines on isolated rabbit heart; implications for exercise
[HTN-95-A0695] p 295 A95-75264

LEITER, J. C.
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325

LEITH, DAVID E.
Ventilation and carbon dioxide exchange in exercising horses: Effect of inspired oxygen fraction
[HTN-95-91908] p 341 A95-82010

LEJEUNE, PHILIPPE
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330

LEKSELL, LARS G.
Estimation of extravascular lung water in humans with use of 2H20: Effect of blood flow and central blood volume
[HTN-95-70102] p 82 A95-62544

LELLOUCH, EMMANUEL
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436

LEMAIRE, C.
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957

LEMANSKE, ROBERT F. JR.
Effects of airway parasympathetic tone on reponses to intravenous bronchoconstrictor agonists in rats
[HTN-95-70489] p 227 A95-71511

LEMAY, R.
Seedling growth and development on space shuttle
p 475 A95-93760

LENARCIC, JADRAN
Simple model for human arm reachable workspace
[BTN-94-EIX94522407598] p 535 A95-96246

LENZ, G.
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions
p 529 N95-32729

LEONCINI, MASSIMILIANO
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615

LEONTE, LUCIAN
Habitat for short duration lunar mission
p 25 N95-11616

LEOS, MELISSA J.
Visual system operational evaluation
[AD-A269173] p 392 N95-27012

LEOTY, C.
Changes of contractile responses due to simulated weightlessness in rat soleus muscle
[ISBN 0-08-042485-6] p 11 A95-60677

LEPOCK, JAMES
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659

LEPPALUOTO, JUHANI
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969

LERMAN, LOUIS
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (1) p 108 A95-63764
The bubble-aerosol-droplet cycle as a natural reactor for prebiotic organic chemistry (2) p 110 A95-63779

LERNER, N. R.
The Strecker synthesis from interstellar precursors as a source of amino acids in carbonaceous chondrites: Deuterium retention during synthesis
p 108 A95-63765

LEROITH, DEREK
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526

LEROUX, MARCEL
The role of expert systems in future cooperative tools for air traffic controllers p 521 A95-95089
Improving air traffic control: Proving new tools or approving the joint human-machine system?
p 543 N95-34783

LETO, G.
Ion irradiation of organic and biological materials
p 111 A95-63781

LEUENBERGER, URS
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia
[HTN-95-50880] p 240 A95-73070

LEUENBERGER, URS A.
Sympathetic nerve activity during prolonged rhythmic forearm exercise
[HTN-95-10113] p 61 A95-61964

LEVAME, M.
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081

LEVAN, M. D.
Improved filtration materials and modeling
[AD-A284684] p 180 N95-18531

LEVASSEUR, LEONARD A.
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390

LEVINE, J. S.
Life sciences and space research 25 (3): Natural and artificial ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759

LEVINE, LESLIE
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577

LEVINE, STEPHANIE M.
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291

LEVINS, RICHARD
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871

LEVY, WAYNE C.
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502

LEWIS, C. E.
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383

LEWIS, D. E.
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827

LEWIS, JAMES A.
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284996] p 92 N95-15767
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667

LEWIS, JAMES F.
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374

LEWIS, L.
NASA's Space Life Sciences Training Program
[ISBN 0-08-042485-6] p 12 A95-60689

LEWIS, MARIAN L.
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633

LEWIS, MICHAEL I.
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931

LEWIS, MILENA L.
Distribution function of transit times in the human pulmonary circulation
[HTN-95-10133] p 66 A95-61984

LEWIS, NORMAN G.
Plant metabolism and cell wall formation in space (microgravity) and on Earth
[NASA-CR-197618] p 306 N95-22801

LEWIS, P. S.
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426

LEWIS, R. F.
The gravitational plant physiology facility-Description of equipment developed for biological research in spacelab
[HTN-95-80713] p 245 A95-73285

LEWIS, ROBERT
A componential model of human interaction with graphs: 1. Linear regression modeling
[HTN-95-B0065] p 389 A95-85881

LEWIS, STEVEN F.
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228

LI, AIHUA
Retrotrapezoid nucleus glutamate injections: Long-term stimulation of phrenic activity
[HTN-95-60050] p 72 A95-62158
Rat retrotrapezoid nucleus iono- and metabotropic glutamate receptors and the control of breathing
[HTN-95-21573] p 368 A95-83358

LI, HAO
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513

LI, HUAIBIN
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290

LI, KU-YEN
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11986
Resource recovery and epidemiology of anaerobic wastewater treatment process in a controlled ecological life support system
[NASA-CR-197930] p 314 N95-23474

LI, LARRY
Telepresence control of a dual-arm dexterous robot
p 316 N95-23735

LI, LIYOU L.
Deeper-penetrating waves in lossy media
p 424 A95-90934
LI, M.
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
LI, NORMAN N.
Life support systems
[AAS PAPER 91-320] p 458 A95-87471
LI, WENJIAN
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090
LI, XING-FANG
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258
LI, XIUYING
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
LI, Z. G.
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
LIANG, CRYSTAL
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control
p 521 A95-95094
LIANG, X. G.
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
LIANG, Z.
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
LIBANATI, C. R.
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
LIBERTIN, CLAUDIA R.
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
LIBIN, MA
NMR studies on the weak interactions between amino acids and nucleotides p 126 A95-63853
LIEBER, RICHARD L.
Myosin and actin filament lengths in diaphragms from emphysematous hamsters
[HTN-95-10120] p 63 A95-61971
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
LIEBMAN, S. A.
Characterization of hydrogen cyanide polymers and the Murchison meteorite: Implications for prebiotic and extraterrestrial chemistry p 109 A95-63770
Organic analysis of hydrogen cyanide polymers: Prebiotic and extraterrestrial chemistry
p 190 A95-66760
LIGGETT, KRISTEN K.
Failure indications on a head-up display
p 517 A95-95045
LILIENTHAL, MICHAEL G.
Disorientation and postural disequilibrium from simulated flight p 490 A95-95164
LILLELEHT, L. U.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program
p 195 A95-66805
LILLEY, M. K.
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
LILLY, JENNIFER
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
LIM, JEONG OK
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
LIM, KAP
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
LIN, B. Y.
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
LIN, EMILIE L.
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, steropsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
LIN, JIANMING
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree
[HTN-95-A0121] p 200 A95-68904
LIN, JZAU-SHENG
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
LIN, Y. C.
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908
LINCOURT, TIMOTHY J.
Visual system operational evaluation
[AD-A289173] p 392 N95-27012
LIND, F.
Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904
LINDBERG, C.
Planetary protection considerations for MarsNet and Mars sample return missions p 217 A95-66789
LINDE, L.
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300
LINDEBORG, DENNIS M.
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
LINDINGER, MICHAEL I.
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
LINDNER, A.
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
LINDSAY, G. C.
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004
LINDSETH, GLENDA
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848
LINDSETH, PAUL D.
The relationship of diet to airsickness
[HTN-95-92910] p 445 A95-91848
LINDSEY, PATRICIA F.
Development of microgravity, full body functional reach envelope using 3-D computer graphic models and virtual reality technology p 181 N95-18990
LINDSLEY, DANA H.
Examination of the processes underlying multilevel efficacy-performance spirals: A flight simulation study
[AD-A282136] p 20 N95-11340
LINEHAN, J. H.
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
LINEHAN, JOHN H.
Influence of hypoxia and serotonin on small pulmonary vessels
[HTN-95-10073] p 51 A95-61924
Impact of parallel heterogeneity on a continuum model of the pulmonary arterial tree
[HTN-95-A0121] p 200 A95-68904
Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
LINER, MATS H.
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans
[HTN-95-A0108] p 197 A95-68891
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
LING, P. P.
Systems approach to instrumenting and controlling plant growth systems p 477 A95-93782
LINK, R.
Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981
LINKE-HOMMES, A.
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project
p 415 A95-87525
LINKIS, PETER
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
LINNARSSON, D.
Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans
p 88 N95-15120
LINNARSSON, DAG
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans
[HTN-95-A0108] p 197 A95-68891
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
LINSLEY, PETER S.
Treatment of murine lupus with CTLA4Ig
[BTN-95-EIX95302460580] p 488 A95-94245
LINTERN, GAVAN
An incremental transfer study of scene detail and field of view effects on beginning flight training
p 504 A95-95152
The integration of visual simulation in beginning flight training p 504 A95-95154
Scene content, field of view and amount of training in first officer training p 505 A95-95155
LIPTON, RICHARD J.
DNA solution of hard computational problems
[BTN-95-EIX95292725315] p 475 A95-92688
LIPTON, ROSS E.
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004
LISOVSKY, G. M.
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
LITTON, CRAIG E.
Interdisciplinary air and water aspects of closure of space life support systems p 25 N95-11623
LITVINOVA, LIDIA
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154
LIU, CH.-X.
Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304
LIU, CHENLIN
Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats
[HTN-95-93122] p 486 A95-95623
LIU, FEI
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat
[HTN-95-A0723] p 302 A95-75292
LIU, FENG
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
LIU, HONG
Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892
LIU, JIANFEN
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
LIU, SHAO-HAN
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
LIU, SHAOBO
Effect of acceleration on the chest wall
[HTN-95-10132] p 66 A95-61983
LIU, SHIH-CHING
A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866
LIU, X. D.
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824

LIU, XING-PING
Setting the stage for the emergence of the configurationally one-sided biosphere
p 129 A95-63869
LIU, XISHUN
Algorithm for real-time detection of QRS complex in ECG signal
[HTN-95-93118] p 491 A95-95619
LIU, Y.
Effect of a chiral impulse on the weak interaction induced handedness in a prebiotic medium p 422 A95-88740
LIU, ZHENXIU
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
LIU, ZHIHENG
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617
LIVECCHI-GONNOT, G.
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310
LIVINGSTON, DAVID L.
Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184
LIVINGSTON, LARRY
Developing an international astronaut team
p 20 N95-11607
LJUNGDAHL, L. G.
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917
LLOYD, C.
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
LLOYD, DAVID
Extinction of dinosaurs: A possible novel cause
p 191 A95-66769
LLOYD, THOMAS C. JR.
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
LO, MING
Cardiovascular variability and baroreceptor reflex sensitivity over a 14-day tail suspension in rats
[HTN-95-91917] p 344 A95-82019
LOADER, JOAN E.
SP-induced contraction of airway smooth muscle in normal and allergen-sensitized rabbits: Mechanism of action
[HTN-95-91880] p 335 A95-81982
LOCKEY, JAMES E.
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359
LOCKWOOD, C. M.
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
LOEBRICH, M.
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
LOECKER, T. H.
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators
p 167 N95-19439
LOFARO, RONALD J.
The future of LOFT scenario design and validation
p 501 A95-95128
The role of LOFT in CRM integration
p 502 A95-95129
CRM assessment and instructor knowledge structures
p 502 A95-95130
LOFASO, F.
Respiratory response to inhaled CO2 during positive inspiratory pressure in humans
[HTN-95-A0141] p 205 A95-68924
LOGEMANN, JERI A.
Coordination between respiration and swallowing: Respiratory phase relationships and temporal integration
[HTN-95-60048] p 71 A95-62156
LOGOTHETIS, NIKOS
Viewer-centered object recognition in monkeys
[AD-A279876] p 245 N95-20185
LOMANGINO, MIOMI A.
Pulmonary vascular resistance distribution and recruitment of microvascular surface area
[HTN-95-A0139] p 204 A95-68922
LOMME, JON
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
LONCARIC, SRECKO
Using simultaneous transmission and scatter SPECT imaging from external sources for the determination of the thoracic mu -map
[BTN-95-EIX95332424669] p 483 A95-94880
LONG, A.
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
LONG, JEFFRY
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control
p 521 A95-95094
Implications of object versus space based theories of attention in the design of the aircraft head-up display
[AD-A281791] p 22 N95-11326
LONG, MARK
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
LONGABAUGH, J. R.
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
LONGHI, S.
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators
[HTN-95-21049] p 465 A95-90426
LONGORIA, ROMAN G.
Variables mediating the perception of crowding and confinement in extreme environments
p 21 N95-11620
LONSDORFER, JEAN
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
LOOFT-WILSON, R.
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
LOOFTWILSON, R.
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
LOOPER, L.
Results of an International Space Crew Debrief
p 152 N95-16750
LOPATA, MELVIN
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
LORENZ, R. D.
Raindrops on Titan p 218 A95-66795
LORETAN, P. A.
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
LORING, S. H.
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
LORING, STEPHEN H.
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281
LORINO, A. M.
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
LOTJONIEN, JYRKI
Seminar on Biomedical Engineering 1993
[PB95-104402] p 254 N95-20971
LOUCKS, ANNE B.
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977
LOUIS, BRUNO
Pulmonary airway area by the two-microphone acoustic reflection method
[HTN-95-70101] p 82 A95-62543
LOUISY, F.
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849
LOVE, JOHN E.
Neuronal types in the chicken's statoacoustic ganglion
p 44 N95-15116
LOWE, B.
Graviceptor development in jellyfish ephyrae in space and on Earth
[ISBN 0-08-042485-6] p 9 A95-60669
LOWE, B. T.
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
LOWE, DAWN A.
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
LOWE, J. GRAHAM
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
LOWRIE, JIM
Determination of the mass properties of a manipulator
p 356 A95-80399
LOWRY, T. F.
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies
[HTN-95-A0627] p 279 A95-74328
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370
LOWRY, TIMOTHY F.
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
LOZIER, SUSAN L.
Segmental bioelectrical impedance analysis: Theory and application of a new technique
[HTN-95-A0594] p 271 A95-74295
LOZITO, SANDY
Data link air traffic control and flight deck environments: Experiment in flight crew performance
p 510 A95-95202
LU, SHIN-YEE
Long-range eye tracking: A feasibility study
[DE95-008587] p 393 N95-28176
LUCAS, J. C.
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
LUCIA, HELEN L.
Evaluation of 3% hydrogen peroxide for use as an environmental disinfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381
LUCIANO, ANTHONY A.
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977
LUDWIG, D.
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
LUDWIG, D. A.
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance
p 156 N95-16781
LUDWIG, M.
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
LUDWIG, M. S.
Structural composition of lung parenchymal strip and mechanical behavior during sinusoidal oscillation
[HTN-95-A0680] p 291 A95-74381
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
LUFKIN, ROBERT B.
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
LUGAILA, TRICIA
The effects of boredom on reaction time in the cockpit
p 510 A95-95209
LUGO-GARCIA, NIDZA
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
LUIJENDIJK, SYBRAND C. M.
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
LUISI, P. L.
Chemical autopoiesis: Self-replicating micelles and vesicles p 124 A95-63846

LUJAN, B. F.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
LUK, W. K.
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95324424665] p 483 A95-94884
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95324424658] p 484 A95-94889
LUKIN, A. V.
Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268
LUNA, THOMAS D.
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373
LUNDBERG, J. M.
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
LUNDBORG, MAJA
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
LUNDVALL, JAN
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin
[HTN-95-10069] p 50 A95-61920
Failure of hemoconcentration during standing to reveal plasma volume decline induced in the erect posture
[HTN-95-50886] p 241 A95-73076
LUNINE, J. I.
Surface-atmosphere interactions on Titan compared with those on the pre-biotic Earth p 193 A95-66793
LUNSFORD, TEDDIE D.
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
LUO, H.
Nuclear medicine program
[DE94-017530] p 160 N95-19244
LUO, Q. M.
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
LUO, XUFENG
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
LUTCHEN, KENNETH R.
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
LUTS, ANDERS
Tidal volume and alveolar clearance of insoluble particles
[HTN-95-60057] p 74 A95-62165
LUTTGES, M. W.
Four educational programs in Space Life Sciences
[ISBN 0-08-042485-6] p 12 A95-60688
Effect of microgravity on collagenase deprotoeinization and EDTA decalcification of bone fragments
[HTN-95-80712] p 250 A95-73284
Temperature prediction of space flight experiments by computer thermal analysis
[HTN-95-60849] p 348 A95-78303
Plant-module for autonomous space-support (p-mass). p 476 A95-93766
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
LUTTGES, MARVIN W.
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
LUTZ, GLENN
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
LUU, RICHARD H.
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
LYALL, ELIZABETH A.
Use of ASRS data in an airline Human Factors department p 523 A95-95205
LYNCH, GARY
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
LYNCH, GENE F.
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
LYNCH, J. M.
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
LYNCH, JAMES M.
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
LYNE, J. E.
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751
LYNN, R.
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
LYSENKO, S. V.
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
Stability of microorganisms isolated from the stratosphere and the mesosphere to the action of low and ultralow temperatures
[HTN-95-41639] p 319 A95-78734
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix
[HTN-95-41642] p 357 A95-78737
Again on isolated cells and spores of microorganisms 'exploding' on the Earth orbit
[HTN-95-41644] p 358 A95-78739
LYUBCHENKO, V. V.
Lasers in the three-micrometer range for medical applications
[HTN-95-61169] p 399 A95-86268

M

MA, JIN
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
MA, JINGYI
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats p 418 A95-88594
MA, Y. F.
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
MAA, S.
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
MAAS, P.
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
MABRY, THOMAS R.
Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory
[AD-A282122] p 17 N95-11337
MACCALLUM, T.
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: Initial results from biosphere 2 p 516 A95-93814
MACCALLUM, TABER
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
MACDERMOTT, ALEXANDRA J.
Electroweak enantioselection and the origin of life p 130 A95-63870
Electroweak enantioselection and the origin of life p 422 A95-88739
MACDOUGALL, J. D.
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
MACELROY, R.
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
MACELROY, R. D.
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
MACELROY, ROBERT D.
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
MACHEMER, H.
A theory of gravikinesis in Paramecium p 408 A95-87487
MACHIDA, KAZUO
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
Development of Advanced Robotic Hand System for space application p 314 N95-23704
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
MACIUS, ALLISON
Acute effects of hindlimb unweighting on satellite cells of growing skeletal muscle
[HTN-95-10059] p 48 A95-61910
MACK, GARY W.
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10087] p 55 A95-61938
Right atrial pressure and ANP release during prolonged exercise in a hot envionment
[HTN-95-70075] p 76 A95-62517
MACKENZIE, COLIN F.
Development and enhancement of a model of performance and decision making under stress in a real life setting
[AD-A285945] p 262 N95-20393
MACKLEM, PETER T.
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes
[HTN-95-60056] p 73 A95-62164
MACKO, S. A.
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
MACKOWIAK, C. L.
Proximate nutritional composition of CELSS crops grown at different CO2 partial pressures p 477 A95-93780
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
MACLEAN, P. S.
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
MACLEOD, IAIN S.
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776
MACNEE, W.
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
MACNEE, WILLIAM
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
MACQUIN-MAVIER, I.
Glucocorticoids inhibit sulfur mustard-induced airway muscle hyperresponsiveness to substance P
[HTN-95-50891] p 243 A95-73081
MADER, THOMAS
Refractive changes during prolonged exposure to altitude following refractive surgery
[AD-A290263] p 451 N95-29173
MADEY, GREGORY R.
On the development of an expert system for wheelchair selection p 214 N95-19627
MADHAVAN, DAS
Cockpit task management errors in critical in-flight incidents p 510 A95-95197
MADL, AMY K.
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
MADSEN, PETER L.
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
MAEDA, SEIJI
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold
[HTN-95-A0715] p 300 A95-75284
MAEHARA, KAZUHIRA
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
MAESE, A. CHRISTOPHER
Training for life science experiments in space at the NASA Ames Research Center p 37 N95-11964

MAGDER, S.
N(sup G)-nitro-L-arginine and phenylephrine have similar effects on the vascular waterfall in the canine hindlimb
[HTN-95-91886] p 336 A95-81988
MAGEL, A.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
MAGINNISS, LEIGH A.
Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10098] p 58 A95-61949
MAGNUSSON, M.
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863
MAGOVERN, JAMES A.
Ergometric studies of untrained skeletal muscle demonstrate feasibility of muscle-powered cardiac assistance
[HTN-95-A0681] p 291 A95-74382
MAHAGNAH, MUHAMMAD
Gas density does not affect pulmonary acoustic transmission in normal men
[HTN-95-00426] p 326 A95-81943
MAHONEY, JOHN R.
Hemoglobin-based blood substitutes and enhanced susceptibility to bacterial infections
[AD-A281023] p 148 N95-16444
MAILLET, A.
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
Blood volume regulating hormones response during two space related simulation protocols: Four-week confinement and head-down bed-rest
[HTN-95-12199] p 446 A95-91899
MAIN, JOHN A.
Design and structural analysis of highly mobile space suits and gloves
[BTN-95-EIX95182617479] p 313 A95-75750
MAJKO, T.
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids
p 410 A95-87501
MAKEIG, S.
First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918
MAKEIG, SCOTT
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
MAKHOUL, NAJWA
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
MAKI, HIROTOSHI
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions
p 111 A95-63782
MAKITA, Y.
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
MALACINSKI, GEORGE M.
Early development of Xenopus embryos is affected by simulated gravity
[ISBN 0-08-042485-6] p 7 A95-60661
MALAPATI, SRINIVAS REDDY
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
MALOAN, J.
Methods for measuring physiological responses and protection in man exposed to high +G(z)
p 532 N95-34058
MALONEY, LAURENCE T.
Visual neural development and chromatic aberration
[AD-A285064] p 169 N95-16368
MALOUVIER, A.
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity
p 46 N95-15148
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
MALTAIS, FRANCOIS
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
MALVEZZI, SIGMAR
Understanding pilots' performance: An empirical scrutiny p 497 A95-95084
MAMMINI, B. M.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
MANCHESTER, JOHN I.
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme
[HTN-95-A0487] p 232 A95-72558
MANCINELLI, R. L.
Magnetite: What it reveals about the origin of the banded iron formations p 128 A95-63862
Life on Mars? 1: The chemical environment
p 215 A95-66772
Life on Mars? 2: Physical restrictions
p 215 A95-66773
Search for life on Mars: Evaluation of techniques
p 216 A95-66776
MANCINELLI, ROCCO L.
The in situ exobiological investigation of the Martian surface mineralogy during unmanned missions
p 185 A95-63893
MANCINI, DONNA M.
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
MANGOLD, SUSAN J.
An approach to modeling pilot memory and developing a taxonomy of memory errors p 496 A95-95075
MANGONE, A.
Chemical autopoiesis: Self-replicating micelles and vesicles p 124 A95-63846
MANN, KATHY
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
MANNING, CAROL A.
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
MANNING, CHERYL A.
Suited for spacewalking: Teacher's guide with activities for physical and life science
[NASA-EG-101] p 96 N95-13888
MANO, TADAAKI
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion
p 440 A95-88583
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
MANOHARAN, R.
Using laser spectroscopy to diagnose disease
p 434 A95-87829
MANOUSIOUTHAKIS, VASILIOS
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688
MANSOUR, E.
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
MANSSON, CECILIA
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
MANTYMAA, PENTTI
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
MANYARI, DANTE E.
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
MANZANARES, MIGUEL
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
MAO, C. W.
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
MARAMBIO-DENNETT, EDUARDO
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere p 113 A95-63790
MARANTZ, S.
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
MARBRY, SHERRY M.
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats
[HTN-95-70477] p 224 A95-71499
MARC, I.
Influence of lung volume dependence of upper airway resistance during continuous negative airway pressure
[HTN-95-A0138] p 204 A95-68921
MARCELO, RAYMUNDO A. Q.
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
MARCH, RODERICK
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
MARCHAL, MICHELE
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
MARCHITELLI, LOUIS J.
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
MARCHMAN, N.
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
MARCINIUK, D.
Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909
MARCINIUK, D. D.
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
MARCO, ROBERTO
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
MARCOMINI, A.
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260
MARCONDES-NORTH, R.
Results of an International Space Crew Debrief
p 152 N95-16750
MARCUS, CAROLE L.
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532
MARCUS, ELIZABETH A.
Human-machine interface hardware: The next decade
p 101 N95-14055
MARENNY, A.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
MARGIOTT, VICTORIA
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
MARGOLSKEE, ROBERT F.
The sense of taste
[HTN-95-92318] p 376 A95-85362
MARGULIS, LYNN
Symbiogenesis and species origin
p 136 A95-63907
MARI, JORGE
Mathematical methods applied to biotechnical processes
[PB95-212114] p 530 N95-33232
MARIE, P. J.
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity
p 46 N95-15148
MARIETTA, MARTIN
Minimizing human-machine interface failures in high risk systems
[BTN-95-EIX95042474623] p 213 A95-68277
MARINI, J. F.
Characteristics of the venous hemodynamics of the leg under simulated weightlessness: Effects of physical exercise as countermeasure
[HTN-95-92911] p 445 A95-91849

MARK, LENA
Effects of acute lung injury on dynamic tissue properties
[HTN-95-70488] p 227 A95-71510
MARKERT, BERND
The Biological System of the Elements (BSE) for terrestrial plants (glycophytes)
[GTN-95-00489697-4147] p 429 A95-92252
MARKHAM, CHARLES H.
Validation of the otolith asymmetry hypothesis as a cause of space motion sickness p 438 A95-88572
MARKHAM, JOANNE
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
MARKOV, A. G.
Dynamical thermovision for a study of blood flow regulation and pathologies
[BTN-94-EIX94401361400] p 310 A95-75510
MARKOVITS, A. S.
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
MARLEY, WANDA S.
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445
MARNOTTE, P.
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257
MARON, MICHAEL B.
Time course of blood volume changes in an isolated lung lobe after venous pressure elevation
[HTN-95-70496] p 229 A95-71518
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
MARON, V. I.
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620
An evolutionary game with biased dice
[HTN-95-41641] p 319 A95-78736
MARONE, JANE R.
Effects of glucocorticoids and endurance trainingon cytochrome oxidase expression in skeletal muscle
[HTN-95-A0642] p 283 A95-74343
MAROTO, MIGUEL
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
MARQUARDT, ROBERT F.
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132
MARSH, J. S.
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
MARSH, R.
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761
MARSH, ROBERT W.
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
MARSHALL, GRAYSON W. JR.
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275
MARSHALL, J. R.
Exobiology experiments for Earth-orbital platforms
p 185 A95-63891
MARSHALL, N. JUSTIN
The unique visual system of the mantis shrimp
[HTN-95-92323] p 376 A95-85367
MARSHALL, SALLY J.
Dental restorative material-tooth interfaces
[BTN-94-EIX94522406268] p 527 A95-96275
MARTEL, E.
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
MARTELL, E. A.
Mechanisms for the polymerization of nucleotides by alpha-particle radiolysis in aqueous solution
p 121 A95-63832
MARTHY, HANS-JUERG
Fertilization of sea urchin eggs in Space and subsequent development under normal conditions
[ISBN 0-08-042485-6] p 6 A95-60656
MARTIN-EMERSON, ROBIN
Attentional tunneling and the head-up display
p 522 A95-95176
MARTIN, ANDREW
Light remedies for hazardous wastes
[HTN-95-41864] p 320 A95-80590
MARTIN, BONNIE J. W.
Coordination between respiration and swallowing: Respiratory phase relationships and temporal integration
[HTN-95-60048] p 71 A95-62156
MARTIN, CLAUDE
Relationship between dot-Cr and breathing pattern in mechanically ventilated patients
[HTN-95-70490] p 227 A95-71512
MARTIN, ELIZABETH L.
Distance estimation training with night vision goggles: A preliminary study
[AD-A284900] p 104 N95-15755
Distance estimation training with night vision goggles under low illumination
[AD-A291338] p 472 N95-29943
MARTIN, IVA K.
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
MARTIN, JENNIFER M.
Modulation of IGF mRNA abundance during stretch-induced skeletal muscle hypertrophy and regression
[HTN-95-70078] p 76 A95-62520
MARTIN, JOHN S.
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
MARTIN, PHILIP
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
MARTIN, ROGER F.
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
MARTINEZ-LOPEZ, LESTER E.
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
MARTINEZ, ANDREW O.
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-196385] p 13 N95-10337
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-197367] p 246 N95-20559
MARTINEZ, E.
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957
MARTINEZ, LIRA R.
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
MARTINUSSEN, MONICA
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098
MARX, KENNETH A.
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
MASCHKE, PETER
Personality scales as predictors for job success of airlines pilots p 499 A95-95106
MASHINSKY, A.
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
Peculiarities of moisture transfer in capillary-porous soil substitutes during space flight p 476 A95-93764
MASHISKY, A.
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects
p 481 A95-93804
MASON, BRIAN A.
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492
MASON, KEVIN T.
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054
Aviation Epidemiology Data Register: Gender-specific attrition from the trained US Army aviator cohort of 1988
[AD-A284395] p 92 N95-15810
Aviation epidemiology data register: Age-specific medical and nonmedical attrition rates among Fort Rucker civilian aviators
[AD-A284970] p 146 N95-16132
Aviation epidemiology data register: Coronary angiography outcomes of civilian aviators flying US aircraft
[AD-A285191] p 147 N95-16405
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940
A comparison of the aeromedical administration requirements for US Air Forces and major allies
[AD-A290137] p 450 N95-29141
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
[AD-A291856] p 456 N95-29434
MASON, PATRICK A.
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
MASSE-BIRON, J.
Exercise-induced hypoxemia in older athletes
[HTN-95-10071] p 51 A95-61922
MASSICOTTE, DENIS
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961
MASSIMINO, MICHAEL J.
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
MASSON, MICHEL
Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems
p 544 N95-34787
MASUDA, Y.
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62822
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions
p 408 A95-87491
MASUDA, YOSHIO
Effect of gravity on plant growth and cell wall properties p 363 A95-82613
MATARIC, MAJA J.
Interaction and intelligent behavior
[AD-A290049] p 457 N95-29443
MATCHETTE, R. D.
Confusion on the flight deck p 496 A95-95077
MATCHETTE, ROBERT D.
Delayed pilot recognition in lost communication events
p 520 A95-95086
MATECZUN, A. J.
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
MATHIEU-COSTELLO, ODILE
Myosin and actin filament lengths in diaphragms from emphysematous hamsters
[HTN-95-10120] p 63 A95-61971
MATHISEN, H. M.
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning
[PB95-196382] p 403 N95-28659
MATIN, LEONARD
Visual perception of elevation
[AD-A284938] p 263 N95-22472
MATSUDA, MASAFUMI
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
MATSUDA, MITSUO
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold
[HTN-95-A0715] p 300 A95-75284
MATSUEDA, TATSUO
Development of Japanese experiment module remote manipulator system p 315 N95-23708
MATSUHIRA, NOBUTO
Satellite retrieving experiment of free flying telerobot
p 395 A95-82471

MATSUI, HIROYASU
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats
p 418 A95-88594
MATSUI, N.
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
MATSUI, NOBUO
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension
p 418 A95-88590
MATSUI, T.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
MATSUMOTO, KOHTARO
Space robot telemanipulation experiment using predictive display p 394 A95-82465
Automation and crew time saving in the space experiment p 315 N95-23715
MATSUMOTO, SHIGEJI
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
MATSUMOTO, TOMOKO
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess
p 418 A95-88592
MATSUNAGA, TORU
Effects of anti-emetics on motion sickness of rats
p 416 A95-88575
MATSUNAMI, K.
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v
p 416 A95-88570
MATSUNAMI, KEN'ICHI
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
MATSUNO, KOICHIRO
Thermal heterocomplex molecules from amino acids and their catalytic capabilities p 122 A95-63839
Autocatalytic accretion of prebiotic molecules in aqueous environments p 123 A95-63842
MATSUOKA, T.
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
MATSUOKA, TAKAFUMI
Metabolic-ventilatory interaction in conscious rats: Effect of hypoxia and ambient temperature
[HTN-95-10095] p 57 A95-61946
Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat
[HTN-95-21554] p 364 A95-83339
MATSUZAWA, YUKINORI
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
MATTER, M., JR.
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men
[NASA-TM-108861] p 144 N95-18734
MATTHES, RONALD D.
Hyperthermia stimulates nitric oxide formation: Electron paramagnetic resonance detection of (dot)NO-heme in blood
[HTN-95-A0109] p 197 A95-68892
MATTHEWS, C. N.
Characterization of hydrogen cyanide polymers and the Murchison meteorite: Implications for prebiotic and extraterrestrial chemistry p 109 A95-63770
Organic analysis of hydrogen cyanide polymers: Prebiotic and extraterrestrial chemistry
p 190 A95-66760
MATTHEWS, CLIFFORD N.
Cyanide polymers in the solar system: Miller-Urey revisited p 109 A95-63769
MATTHEWS, J. L.
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
MATTHEWS, K. L.
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
MATTOON, JOSEPH S.
Designing instructional simulations: Effects of instructional control and type of training task on developing display-interpretaion skills
[HTN-95-40882] p 259 A95-72259
Designing computer-based instructional simulation: Instructional control and part-whole-task training
p 505 A95-95160
MATZAKIS, Y.
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707
MATZEN, M.
Self-replicating oligonucleotides p 119 A95-63822
MAUDERLY, JOE L.
Current concepts on airborne particles and health
[DE95-002260] p 258 N95-22287
Inhalation Toxicology Research Institute
[AD-A292037] p 451 N95-29188
MAUREL, MARIE-CHRISTINE
Catalytic studies of biomimetic molecular systems and origin of life p 116 A95-63807
N6-substituted adenine derivatives and RNA primitive catalysts
[HTN-95-A0478] p 230 A95-72549
MAURETTE, M.
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765
MAURINO, DAN
Cross-cultural perspectives in Human Factors training: The lessons from the ICAO Human Factors programme
p 502 A95-95131
MAURINO, DANIEL
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782
MAURINO, DANIEL E.
Crosscultural perspectives in human factors training: Lessons from the ICAO Human Factors Program
[HTN-95-A0506] p 260 A95-72577
MAXWELL, LEO C.
Effects of hyperoxia on rat diaphragm function
[HTN-95-A0590] p 270 A95-74291
MAY, C. N.
Evaluation of a transit-time system for the chronic measurement of blood flow in conscious sheep
[HTN-95-91892] p 338 A95-81994
MAYER, E. P.
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
MAYER, K. S.
Naval Aerospace Medical Research Laboratory. 1993 command history
[AD-A284038] p 85 N95-14424
Bibliography of scientific publications 1975-1993
[AD-A279767] p 254 N95-20977
Command history, 1993
[AD-A279775] p 256 N95-21989
MAYEVSKY, A.
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
MAZZARA, MARIA
A PC-based system to enhance development of scenarios: Ascend (Analysis of Scenario Demands) system p 505 A95-95158
MAZZEO, R. S.
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
MAZZEO, ROBERT S.
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
MC COY, C. ELAINE
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
MCARDLE, ANNE
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
MCCALLUM, R. ANDREW
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642
MCCANN, ROBERT S.
Attentional limitations with Head-Up Displays
p 494 A95-95046
Head-up displays: Effect of information location on the processing of superimposed symbology
p 517 A95-95048
MCCARDIE, A. H.
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
MCCARTER, ROGER J.
Voluntary exercise decreases progression of muscular dystrophy in diaphragm of mdx mice
[HTN-95-A0647] p 284 A95-74348
MCCARTHY, TIMOTHY J.
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
MCCLAIN, JOSEPH
Forearm compression during exercise increases sympathetic nerve traffic
[HTN-95-70468] p 222 A95-71490
MCCLOY, THOMAS M.
ASRS and aviation psychology p 510 A95-95206
MCCLUMPHA, ANDREW J.
Certification for civil flight decks and the human-computer interface p 544 N95-34784
MCCOLLOM, THOMAS
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
MCCOLLOUGH, HOLLY
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
MCCOMB, JANET M.
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
MCCOMBS, R.
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
MCCONELL, GLENN
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
MCCOOL, F. DENNIS
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
MCCORMACK, ANN
Techniques for optimal crop selection in a controlled ecological life support system p 37 N95-11962
MCCOY, ANNETTE L.
An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
Developing subjective and objective metrics of pilot situation awareness p 508 A95-95183
MCCOY, C. ELAINE
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
MCCOY, ELAINE
Distributed problem solving by pilots and dispatchers
p 495 A95-95065
MCCOY, MICHAEL
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
MCCRAY, SCOTT B.
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932068] p 469 A95-91662
MCCUE, SAMUEL A.
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
MCCULLOCH, PAMELA R.
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
MCCULLOUGH, R. E.
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486

MCCULLY, KEVIN K.
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
MCCUNE, S. A.
Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats
[HTN-95-A0107] p 197 A95-68890
MCCURDY, DAVID A.
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
MCCURRY, WILLIAM K.
Teaching aviation safety: A new methodology p 504 A95-95150
MCDONALD, GENE D.
Inhibition of amino acid metabolic enzymes by alpha-aminoisobutyric acid p 131 A95-63876
MCDONALD, K. S.
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336
MCDOUGALL, WILLIAM A.
CRM assessment and instructor knowledge structures p 502 A95-95130
MCDOWALL, I.
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
MCELHATTON, JEANNE
Time pressure as a causal factor in aviation safety incidents: The 'hurry-up' syndrome p 496 A95-95076
MCELROY, J.
SPE(R)-OBOGS: On-board oxygen generating sustem p 472 N95-30267
MCENIERY, MICHAEL T.
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
MCENTIRE, B. J.
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378
MCFADDEN, T.
Validation of astronaut psychological select-in criteria p 171 N95-16762
MCGANN, ALISON
Data link air traffic control and flight deck environments: Experiment in flight crew performance p 510 A95-95202
MCGARVIE, LEIGH
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376
MCGILL, T. R.
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
MCGRATH, B. J.
Dynamics of the G-excess illusion p 155 N95-16771
MCGRATH, MICHAEL J.
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise
[HTN-95-70077] p 76 A95-62519
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044
MCGUIRE, GLENN P.
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
MCGUIRE, WENDY J.
Coping and adaptation: Theoretical and applied perspectives
[AD-A290513] p 455 N95-29090
MCINTOSH, M. K.
Vitamin E effects on indexes of lipid peroxidation in muscle from DHEA-treated and exercised rats
[HTN-95-10081] p 53 A95-61932
MCINTYRE, D. B.
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
MCINTYRE, HEATHER M.
The development of a 'quality' measure of pilot performance p 509 A95-95189
MCINTYRE, M. E.
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
MCKAY, C. P.
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
Surface-atmosphere interactions on Titan compared with those on the pre-biotic Earth p 193 A95-66793
MCKAY, CHRISTOPHER P.
The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
MCKAY, JAMES M.
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
MCKAY, TIM
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
MCKEE, N.
Strength training as a counter-measure for microgravity effects p 18 N95-11608
MCKEE, SUZANNE
Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436
MCKELVIE, ROBERT S.
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
MCKENNA, RICHARD
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
MCKENZIE, DONALD C.
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
MCKIM, D.
Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909
MCKNIGHT, J. E.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
MCLAUGHLIN, SUSAN
The sense of taste
[HTN-95-92318] p 376 A95-85362
MCLEAN, WILLIAM E.
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
MCMILLAN, GRANT
Situation awareness: Papers and annotated bibliography
[AD-A284752] p 173 N95-18084
MCMURRAY, T.
Numerical models of photothermal tissue welding processes p 433 A95-87818
MCNALLY, KAREN L.
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
MCNAMARA, STEPHEN G.
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
MCNAUGHTON, BRUCE L.
Hippocampal place fields, the internal compass, and the learning of landmark stability
[AD-A289406] p 381 N95-27100
MCPHERSON, D. W.
Nuclear medicine program
[DE94-017530] p 160 N95-19244
MCROBERTS, M.
Object-oriented model-driven control p 515 A95-93799
MCTAGGART, WESLEY G.
Artificial gravity as a countermeasure of physiological deconditioning in space
[ISBN 0-08-042485-6] p 15 A95-60683
MEADOWS, GARY G.
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
MEDINA, RICHARD
Ultrashort pulse response in nonlinear dispersive media p 424 A95-90932
MEDVEDEV, B. A.
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
MEDVEDEV, V. G.
Digital glucosimeter-polarimeter for measuring the optical activity of solutions
[HTN-95-61167] p 399 A95-86266
MEEHAN,RICHARD T.
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
MEERSON, F.
Superresistance against hypoxia after preliminary adaptation to repeated stress
[HTN-95-70071] p 75 A95-62513
MEESEN, NICO E. L.
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
MEGIRIAN, DAVID
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
MEGSON, G. M.
Scene analysis: A brief survey
[PB94-205085] p 36 N95-13433
MEHLHORN, UWE
Myocardial edema, left ventricular function, and pulmonary hypertension
[HTN-95-21570] p 367 A95-83355
MEI, HARRY T.
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386
MEIGNAN, M.
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
MEIJERINK, JOCELIJN
Xenopus laevis embryos can establish their spatial bilateral symmetrical body pattern without gravity
[ISBN 0-08-042485-6] p 8 A95-60662
MEILIN, S.
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
MEINERT, H.
ERA-experiment 'space biochemistry' p 404 A95-83984
MELAMED, Y.
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
MELAMED, YEHUDA
Beta-Carotene and CNS oxygen toxicity in rats
[HTN-95-10105] p 59 A95-61956
MELCHIOR, F.
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
MELCHIOR, FRANCOIS
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539
MELCHIOR, FRANCOIS M.
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
MELE, F.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
MELE, G.
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
MELESHKO, G.
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects p 481 A95-93804
MELIN, B.
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
MELLERSH, A. R.
A model for the prebiotic synthesis of proteins p 118 A95-63819
MELLONE, V. J.
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
MELTON, JOSEPH E.
Activity of respiratory neurons during hypoxia in the chemodenervated cat
[HTN-95-00417] p 324 A95-81934
MELTZ, MARTIN L.
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866

MENAKER, MICHAEL
Control of circadian behavior by transplanted suprachiasmatic nuclei
[AD-A285233] p 142 N95-16599
MENARD, MICHEL
Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs
[HTN-95-70478] p 225 A95-71500
MENCONI, MICHAEL J.
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
MENDELSSOHN, R.
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
MENDOZA-GOMEZ, C. X.
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
MENENDEZ, VALENTIN
Performance of EVA suit mobility joints influence of driving parameters
[SAE PAPER 932098] p 460 A95-90342
MENG, QING CHENG
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
MENNELLA, V.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
MENZIES, I. S.
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
MERCED-MOORE, DARLENE
Human factors assessments of the STS-57 Spacelab-1 mission
[NASA-TM-104802] p 36 N95-11878
MERCHANT, P. G.
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
MERCHANT, P. GLENN
The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
MERKELBACK, E. J.
A framework for the analysis of cognitive tasks
[AD-A285345] p 172 N95-16835
MERKER, MARILYN P.
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
MERLE, L.
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides p 122 A95-63837
MERLE, Y.
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides p 122 A95-63837
MERLETTI, ROBERTO
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
MEROLA, A. J.
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
MERRILL, R. H.
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898
MERRITT, ASHLEIGH
Cross-cultural attitudes of flight crew regarding CRM p 501 A95-95123
MERRITT, JAMES H.
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
Considerations for human exposure standards for fast-rise-time high-peak-power electromagnetic pulses
[HTN-95-92918] p 446 A95-91856
MERRITT, JOHN O.
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376
MERRYFIELD, WILLIAM J.
Discrete velocity model for an escaping single-component atmosphere
[HTN-95-50283] p 187 A95-65778
MERTENS, HENRY W.
Practical color vision tests for air traffic control applicants: En route center and terminal facilities
[DOT/FAA/AM-95/13] p 393 N95-27323
MERTZ, JOHN E.
Molecular dynamics at a constant pH
[HTN-95-92296] p 376 A95-85340
MERWIN, DAVID H.
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, stereopsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
METCALF, J.
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659
METSELAAR, CAROL
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
MEURANT, ROBERT C.
The individual integral space habitation: Preliminary sketch design of an individual tensile space habitation, situated within a large-scale centralised tensile lattice structured pneumatic enclosure, in microgravitational space p 23 N95-11601
MEYER-FERNANDES, JOSE ROBERTO
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467
MEYER, DAVID E.
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280824] p 83 N95-14142
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
MEYER, EIKAR
M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361
MEYER, L. G.
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
MEYER, M.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
MEYER, MICHAEL A.
Exobiology opportunities from Discovery-class missions p 184 A95-63890
Future NASA plans for exobiology and solar system exploration p 186 A95-63900
MEYER, RONALD A.
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
MEYERS, JENNIFER G.
Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361
MEZHEVIKIN, V. V.
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776
MEZZANOTTE, WILLIAM S.
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015
MICHALOWSKI, STEFAN
Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044
MICHEL, RENE P.
Altered mechanical properties of lung parenchyma in postobstructive pulmonary vasculopathy
[HTN-95-70484] p 226 A95-71506
MICHURINA, T. V.
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529
MIDOLLINI, BEATRICE
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504
MIETUS, JOSEPH E.
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
MIKAMI, TATSUO
Development of Advanced Robotic Hand System for space application p 314 N95-23704
MIKELLIDES, BYRON
Color and physiological arousal p 21 N95-11621
MIKELSAAR, RAIK-HIIO
Evolution of the tRNA cloverleaf structure p 117 A95-63815
Molecular modelling of cellular and precellular membrane systems p 125 A95-63849
Archigenetic hypothesis of the early cellular evolution p 134 A95-63887
MIKESELL, BRIAN G.
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
MIKI, K.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
MIKKELSEN, BJORN ROALD
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
MILAM, TIGREE
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629
MILBURN, NELDA J.
Practical color vision tests for air traffic control applicants: En route center and terminal facilities
[DOT/FAA/AM-95/13] p 393 N95-27323
MILES, G. E.
Machine vision monitoring of plant health p 478 A95-93784
MILES, PATRICK P.
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
MILIC-EMILI, J.
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
MILITELLO, LAURA
Determining the decision requirements of complex flight crew tasks p 495 A95-95069
MILLER-GRAZIANO, CAROL L.
Studies of altered response to infection induced by severe injury
[AD-A288907] p 450 N95-29139
MILLER, D. P.
Top ten list of user-hostile interface design
[DE95-001602] p 266 N95-21721
MILLER, DANIEL W.
The relative biological effectiveness of attenuated protons p 321 A95-81449
MILLER, DONNA L.
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations
[NASA-TM-108838] p 16 N95-10861
MILLER, DOUGLAS L.
Computer human interface design in tower air traffic control for aircraft flight data management p 521 A95-95095
MILLER, E. S.
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
MILLER, EDWIN S.
Influence of spaceflight on the production of interleukin-3 and interleukin-6 by rat spleen and thymus cells
[HTN-95-00411] p 322 A95-81928
Space flight and humoral and cellular immunity of animals p 44 N95-15113
MILLER, FREDERICK J.
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemisty
[HTN-95-10128] p 65 A95-61979
MILLER, G. R.
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
MILLER, J.
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
MILLER, J. P.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342

MILLER, JOHN P.
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
MILLER, MARIAN L.
Refractory ceramic fibers activate alveolar macrophage eicosanoid and cytokine release
[HTN-95-21574] p 368 A95-83359
MILLER, RUSSELL J.
Use of the underground for extreme environments
p 24 N95-11610
MILLER, STANLEY L.
Prebiotic synthesis of organic compounds: A review and new results p 106 A95-63747
Urazole is a potential precursor to uracil
p 107 A95-63762
Prebiotic synthesis of hydroxymethyluracil and some t-RNA bases p 108 A95-63763
Impact melting of a frozen ocean on the early Earth and the implications for the origin of life
p 184 A95-63860
Evolution of biosynthesis of hydrophobic amino acids
p 132 A95-63879
Amino acid stability in hydrothermal vents
p 138 A95-63916
Evolution of the biosynthesis of the branched-chain amino acids p 420 A95-88733
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
MILLER, STEPHANIE W.
Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482
MILLS, T.
The early evolution of metabolic pathways
p 132 A95-63880
Comets and life in the Universe p 190 A95-66761
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
MILNE, D.
Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes
[ISBN 0-08-042485-6] p 12 A95-60690
MILON, H.
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645
MILOSAVLJEVIC, A.
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
MILOSAVLJEVIC, ALEKSANDAR
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376
MINEHAN, DANIEL
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
MINEZAKI, Y.
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process
[BTN-94-EIX94341340604] p 105 A95-63569
MING, D. W.
Use of lunar regolith as a substrate for plant growth
p 483 A95-93816
MING, DOUGLAS W.
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts
[SAE PAPER 932091] p 459 A95-90338
MINGOLLA, ENNIO
Neural models of motion perception
[AD-A286560] p 262 N95-20845
MINGUELLA, JOAN
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
MINK, J. T.
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940
MINNEAR, FRED L.
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318
MINTZER, R. A.
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891
MINYAILENKO, T.
Superresistance against hypoxia after preliminary adaptation to repeated stress
[HTN-95-70071] p 75 A95-62513
MION, L.
Investigations about alpha-aminoacid synthesis under prebiotic conditions p 107 A95-63761
MIQUEL, J.
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
MIQUEL, JAIME
Ultrastructural and cellular mechanisms in myocardial deconditioning in weightlessness
[ISBN 1-55938-409-3] p 1 A95-60153
MIRABAL, JOSE
Seven aeronautical pyramides p 503 A95-95147
MIRZADEH, S.
Nuclear medicine program
[DE94-017530] p 160 N95-19244
MISAWA, MIWA
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats
[HTN-95-91876] p 334 A95-81978
MISEROCCHI, GIUSEPPE
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
MISHIMA, M.
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
MISHIMA, MICHIAKI
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
MISHKIN, MORTIMER
Behaviorism, cognitivism and the neuropsychology of memory
[HTN-95-42102] p 388 A95-83868
MISHRA, DEV K.
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
MISHRA, K. K.
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels
p 361 A95-82587
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590
MISHRA, S. K.
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381
Microbiological characterization of a regenerative life support system p 515 A95-93808
MISLEVY, ROBERT J.
Test theory reconceived
[AD-A291836] p 456 N95-29432
MISSLISCH, H.
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
MITA, TAKASHI
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat
p 418 A95-88593
MITAL, ANIL
Physical fatigue in high and very high frequency manual materials handling: Perceived exertion and physiological indicators
[HTN-95-B0071] p 377 A95-85887
MITARAI, GENYO
Exercise effect on bone remineralization after experimental osteoporosis of tail suspended rat
p 362 A95-82607
An observation of vestibular spinal relationship
p 438 A95-88569
MITASHOV, V.
Amphibian tail regeneration in space: Effect on the pigmentation of the blastema p 414 A95-87519
Fate of the grafted ovaries from female salamander Pleurodeles waltl embarked on the Cosmos 2229 flight
p 415 A95-87523
Peptidase-1 expression in some organs of the salamander Pleurodeles waltl submitted to a 12-day space flight p 415 A95-87524
MITASHOV, V. I.
Influence of longitudinal whole animal clinorotation of lens, tail, and limb regeneration in Urodeles
p 409 A95-87492
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
MITCHA, JENNIFIER L.
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373
MITCHEL, R. E. J.
Radiation: What determines the risk?
p 350 A95-81450
MITCHELL, C. A.
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
MITCHELL, CHARLES E.
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
MITCHELL, CHRISTINE M.
Human-centered design of human-computer-human dialogs in aerospace systems
[NASA-CR-197379] p 313 N95-22797
MITCHELL, JERE H.
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
MITTELSTADT, SCOTT W.
Cardiac receptors modulate the renal sympathetic response to dynamic exercise in rabbits
[HTN-95-60032] p 67 A95-62140
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481
MITZNER, WAYNE
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
[HTN-95-00440] p 329 A95-81957
MITZNER, WAYNE A.
Contribution of pulmonary versus systemic perfusion of airway smooth muscle
[HTN-95-91877] p 334 A95-81979
MIURA, HIROFUMI
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
MIWA, CHIHIRO
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion
p 440 A95-88583
MIWA, CIHIRO
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
MIYA, AKIKO
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
MIYA,AKIKO
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404
MIYAMOTO, K.
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62822
MIYAMOTO, KENJI
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole
[HTN-95-10065] p 49 A95-61916
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
MIYAMOTO, N.
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
MIYAMOTO, NORIHIRO
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension
p 418 A95-88590
MIYASAKA, TSUTOMU
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor
[BTN-94-EIX95012419652] p 375 A95-84370
MIYATA, MAKOTO
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
MIYAUCHI, TAKASHI
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold
[HTN-95-A0715] p 300 A95-75284

MIZUMOTO, H.
Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein
p 123 A95-63841
MIZUNO, MASAO
(31)P-NMR spectroscopy, rsEMG, and histochemical fiber types of human wrist flexor muscles
[HTN-95-60033] p 68 A95-62141
MIZUTANI, TADASHI
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst
p 110 A95-63777
MNCLN, SANIL J.
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472
MOEN, KENNON J.
Design considerations for FrankTalk: A distributed group support system
[AD-A289386] p 401 N95-26863
MOGAMI, Y.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Behavior of space frog p 362 A95-82611
AstroNewt: Early development of newt in space
p 414 A95-87521
MOGFORD, RICHARD H.
Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743
MOGHADASI, HAMID
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
MOGI, KENICHIRO
On the absolute meaning of the energy scale approximately kT in the thermal interference involved in enzyme-coupled reactions
[HTN-95-92207] p 375 A95-84063
MOHAMMED, A. M.
The electrical behaviour of an excitable cell at different conditions
[DE95-607911] p 381 N95-27254
MOHAR, M. F.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
MOHRI, M.
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908
MOJZSIS, S.
Phosphate microaggregates in Archean sediments
p 135 A95-63897
MOKASHI, A.
Electochemical detection of rapid DA release kinetics during hypoxia in perfused-superfused cat CB
[HTN-95-00414] p 323 A95-81931
MOLCHANOV, S. S.
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
MOLINA, THOMAS C.
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
MOLLOY, ROBERT
Operator versus computer control of adaptive automation p 519 A95-95059
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
MONE, O.
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-83792
MONEY, KEN
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
MONN, STEPHEN A.
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
MONTAIN, SCOTT J.
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
MONTALVO, MIKE
Efficient decision strategies on the flight deck
p 495 A95-95070
MONTERO, FRANCISCO
Evolution of catalytic networks formed by self-replicative species p 119 A95-63824
MONTGOMERY, RONALD W.
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1962-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
MONTONEN, J.
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371
MONTUFAR-SOLIS, D.
Teratogenic effects of gravitational changes
[ISBN 0-08-042485-6] p 8 A95-60664
In vivo and in vitro studies of cartilage differentiation in altered gravities p 413 A95-87514
Chondrogenesis in aggregates of embryonic limb cells grown in a Rotating Wall Vessel p 416 A95-87528
MONTUFAR-SOLIS, DINA
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
MOODY, MELANIE R.
Dimethyl sulfoxide depresses skeletal muscle contractility
[HTN-95-70063] p 78 A95-62525
MOOIJ, J. M. V.
Effect of glucose infusion on endurance performance after beta-adrenoceptor blocker administration
[HTN-95-A0119] p 200 A95-68902
MOON, RICHARD E.
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemistry
[HTN-95-10128] p 65 A95-61979
MOORE, ARNOTT S.
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059
MOORE, D.
Graviresponses in fungi p 409 A95-87494
Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus
p 409 A95-87495
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
MOORE, J.
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
MOORE, K.
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
MOORE, PHILLIP
Some implications of pilots' approaches to learning
p 503 A95-95149
MOORE, ROBERT J.
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
MOORE, ROBERT Y.
Organization of the human circadian system
[AD-A288223] p 449 N95-28915
MOORE, STEPHEN C.
Lesion detectability considerations for an optically-coupled CCD x-ray imaging system
[BTN-95-EIX95332424653] p 485 A95-94892
MOORE, TIMOTHY M.
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
MOORES, HAROLD K.
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
MOORHOUSE, DAVID JOHN
Human piloting factors in the design of control laws for precision landing p 537 N95-33605
MORAN, AL W.
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145
MORAN, D.
Predicting heart rate response to varioous metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
MOREELS, G.
Possible evidence of hydrocarbons released by the nucleus of Halley's comet p 190 A95-66759
MORETTO, A.
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
MOREY, DARCY F.
The early evolution of the domestic dog
[HTN-95-92321] p 376 A95-85365
MOREY, JOHN C.
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight
p 494 A95-95047
MORGAN-HUGHES, NICHOLAS J.
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
MORGAN, BEN B., JR.
The development of aircrew coordination behaviors
p 505 A95-95156
MORGAN, CHARLES R.
Terraforming with nanotechnology
[HTN-95-60319] p 186 A95-65618
MORGAN, D. L.
Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289
MORGAN, DON
Effect of step length optimization on the aerobic demand of running
[HTN-95-A0609] p 275 A95-74310
MORGAN, JULIA A.
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
MORGANTHALER, GEORGE W.
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386
MORGENTHALER, GEORGE W.
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
MORGUN, V. V.
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
MORIARITY, DEBRA M.
Concentration and temperature effects on ovostatin activity p 144 N95-18997
MORIMOTO, KEIKO
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
MORIMOTO, SHIRO
2-Aminopropionitrile polymer p 116 A95-63810
MORIMOTO, TAKETOSHI
Right atrial pressure and ANP release during prolonged exercise in a hot environment
[HTN-95-70075] p 76 A95-62517
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
MORIN, F. C., III
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927
MORITA, MASAHIRO
Effects of anti-emetics on motion sickness of rats
p 416 A95-88575
MORIYAMA, KAZUO
Identification of pilot dynamics including feedback structures p 454 A95-91580
MOROMISATO, DAVID Y.
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
MOROMISATO, MARK Y.
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
MORONEY, WILLIAM F.
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task
p 508 A95-95179
A tool for evaluating student-pilot performance during instrument flight training p 509 A95-95190

MOROWITZ, HAROLD
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis
[HTN-95-01238] p 428 A95-91470
MOROZOV, V. N.
Obtaining medical and biological images by FTIR multiaspect projection refractometry
[HTN-95-61162] p 398 A95-86261
MORRIS, C. E.
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
MORRISON, DENNIS R.
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
MORRISON, J. G.
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
MORRISON, JEFFREY G.
Prospective principles and guidelines for the design of adaptively automated crewstations p 519 A95-95061
MORROW, DANIEL
The influence of air traffic control message length and timing on pilot communication p 520 A95-95087
MORROW, DANIEL G.
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design
[NASA-TM-108846] p 37 N95-11905
MORROW, R. C.
The astroculture flight experiment series, validating technologies for growing plants in space
p 476 A95-93763
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
MORSE, STEPHEN E.
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
MORTENSON, L. E.
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917
MORTIMER, ALAN J.
Educational projects in Space Life Sciences in Canada
[ISBN 0-08-042485-6] p 12 A95-60691
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
MORTIMER, RUDOLF G.
Illness, drugs, fatigue and stress in the cockpit reported by pilots p 489 A95-95136
MORTLEY, D. G.
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
MORTOLA, J. P.
Hamsters vs. rats: Metabolic and ventilatory response to development in chronic hypoxia
[HTN-95-70471] p 223 A95-71493
MORTOLA, JACOPO
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat
[HTN-95-21554] p 364 A95-83339
MORTOLA, JACOPO P.
Metabolic-ventilatory interaction in conscious rats: Effect of hypoxia and ambient temperature
[HTN-95-10095] p 57 A95-61946
Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252
MOSELY, E.
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
MOSHER, J. C.
Matrix kernels for MEG and EEG source localization and imaging
[DE95-005238] p 386 N95-27426
MOSIER, KATHLEEN L.
Flight performance measurement utilizing a figure of merit (FOM) p 509 A95-95191
MOSQUEIRA, F. G.
Site of adsorption of nucleic bases and their derivatives on clay surfaces p 112 A95-63789
MOSQUEIRA, G.
Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview
p 111 A95-63783
MOTAMEDI, M.
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
MOTEKAITIS, ANN M.
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
MOTODA, TOSHIKAZU
Identification of pilot dynamics including feedback structures p 454 A95-91580
MOTOHASI, SHOICHI
Development of Japanese experiment module remote manipulator system p 315 N95-23708
MOTOMIYA, MASAKICHI
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
MOULIA, B.
Mechanics and form of the maize leaf: In vivo qualification of flexural behavior
[BTN-94-EIX94461400303] p 141 A95-65315
MOULOUA, MUSTAPHA
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
MOULTON, CAREY
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892
MOUNT, FRANCES E.
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
MOWAFY, LYN
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
MOYA, ANDRES
Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world
p 120 A95-63830
MOYERS, MICHAEL F.
The relative biological effectiveness of attenuated protons p 321 A95-81449
MOZO, BEN T.
User acceptability and comfort of the communications earplug (CEP) when used in the UH-1 helicopter
[AD-A294047] p 539 N95-34492
MRSNY, R. J.
A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970
MUDUMBI, RAMAGOPAL V.
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
MUELLER-WIESNER, D.
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
MUELLER, GREGORY P.
Toxin-mediated transfer and expression of genes in nerve cells
[AD-A290501] p 531 N95-33200
MUELLER, P. J.
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
MUELLER, P. K.
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
MUELLER, S. ALYSSA
The role of the vestibular system in manual target localization p 533 N95-32422
MUENCH, H. S.
Diagnosing cloudiness from global numerical weather prediction model forecasts
[AD-A289456] p 392 N95-26992
MUGHNI, WALLI N.
Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904
MUKAI, SEIJI
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
Heart rate and blood pressure variabilities during graded head-up tilt
[HTN-95-21579] p 369 A95-83364
MULBURY, DOUGLAS S.
Locus of control and coping style as stress moderators in achievement oriented individuals
[AD-A294275] p 534 N95-34463
MULENBURG, G. M.
A metabolic cage for the hindlimb suspended rat
[NASA-TM-108830] p 13 N95-10828
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
MULISCH, M.
Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
MULLANE, MICHELLE
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
MULLENDER, BERNARD
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
MULLER, ANTHONIE W. J.
A model for biogenesis based on thermosynthesis
p 125 A95-63850
MULLER, MICHAEL J.
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
MULLER, PATRICK
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
MULVAGH, S.
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
MUMMAW, DEBORAH A.
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
MUNEGUMI, TORATANE
Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile
p 111 A95-63780
MUNSON, R.
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation
p 471 N95-29624
MUNSON, ROBERT
Sarcoidosis in US military aviators
p 166 N95-19438
MUNZENBERG, G.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
MURAKAMI, D. M.
Influence of gravity on the circadian timing system
[ISBN 0-08-042485-6] p 11 A95-60682
MURAKAMI, DEAN M.
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
MURAKAMI, KEIJI
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
MURAKAMI, NAOTOSHI
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
MURAL, R. J.
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
MURAMATU, TUTOMU
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins
p 442 A95-88599
MURASE, Y.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
MURASE, YUICHI
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
MURATA, Y.
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
MURATA, YOSHIHARU
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension
p 418 A95-88590
MURAYAMA, TSUTOMU
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
MURPHY, BARBARA A.
User acceptability and comfort of the communications earplug (CEP) when used in the UH-1 helicopter
[AD-A294047] p 539 N95-34492

MURPHY, C. D.
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748
MURPHY, CONNIE
Continuous measurements of changes in pulmonary capillary surface area with Tl-201 infusions
[HTN-95-50895] p 244 A95-73085
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
MURPHY, ELIZABETH D.
Using knowledge exploration tools to study airspace complexity in air traffic control
[HTN-95-90716] p 211 A95-69743
MURPHY, GLORIA A.
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
MURPHY, T. C.
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558
MURPHY, TIMOTHY D.
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
MURRAY, PAUL A.
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332
MURRAY, SEAN
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
MURRAY, STEVEN A.
Human performance studies for control of multiple remote systems
[AD-A286623] p 265 N95-20768
MURTHY, GITA
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
MUSCH, TIMOTHY I.
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
MUSE, WILLIAM T., JR.
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614
MUZA, STEPHEN R.
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
MYERS, LEMUEL R., JR.
Image perception wavelet simulation and enhancement for the visually impaired
[AD-A289303] p 386 N95-26917
MYHRE, GRETE
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
Is the pilot fit for flying after an accident? p 164 N95-19425
MYKITSHYN, MARK G.
Experimental study of electronically based instrument approach plates
[HTN-95-A0504] p 260 A95-72575
MYKITYSHYN, MARK G.
Electronic Instrument Approach Plates: The effect of selective decluttering on flight crew performance p 516 A95-95039
MYKLES, D. L.
Crustaceans as a model for microgravity-induced muscle atrophy p 413 A95-87515

N

NACHTMAN, RONALD
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
NADEL, ETHAN R.
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10087] p 55 A95-61938
NAEIJE, ROBERT
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333
NAGAMIE, SEIGO
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005
NAGANO, J.
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
NAGANO, JUNKO
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
NAGAO, MITSUSHIRO
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys p 417 A95-88580
NAGASAKA, YUKIO
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
NAGASHIMA, KEI
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
NAGASHIMA, KENSHI
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
NAGAYA, K.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
NAGAYAMA, TADANORI
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
NAGEL, KARIN L.
Training visual pattern recognition: Using worked examples to aid schema acquisition
[AD-A281859] p 169 N95-16299
NAHORMEK, PATRICIA A.
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20406
NAHVI, MAHMOOD
Coordination of human upper arm and forearm motion in rapid extensions p 101 N95-14056
NAITOH, P.
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083
NAKABAYASHI, NOBUO
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
NAKAGAWA, JUN
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
NAKAGAWA, MASAYUKI
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
NAKAGAWARA, VAN B.
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
NAKAJIMA, KAZUNARI
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
NAKAJIMA, SHIGENORI
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
NAKAJO, MASAYUKI
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
NAKAMITSU, S.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
NAKAMORI, NOBUYUK
Calculation of characteristic x rays in diagnostic d-ray spectrum
[BTN-94-EIX94341341389] p 145 A95-65124
NAKAMURA, H.
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla p 418 A95-88591
NAKAMURA, HAKOBU
Origin of eukaryotic cell -autogenous process from cyanobacterial world- p 133 A95-63885
NAKAMURA, HIDETOSHI
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
NAKAMURA, KATSUMI
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
NAKAMURA, MASARU
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
NAKASHIMA, RUKA
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst p 110 A95-63777
NAKAYA, MASAYUKI
Influence to organs by ten weeks tail suspension p 45 N95-15142
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
NAKAYAMA, KEN
Intermediate levels of visual processing
[AD-A284922] p 261 N95-19998
Intermediate levels of visual processing
[AD-A291569] p 455 N95-28937
NAMBA, HIROYUKI
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess p 418 A95-88592
NANJUNDAN, ASHOK
Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418
NAQVI, S. M.
Biochemical markers in Precambrian sediments - Indian subcontinent p 128 A95-63863
NARAYANA, P.
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
NARICI, MARCO
Fatigue and exhaustion in chronic hypobaric hypoxia: Influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
NARRAWAY, J.
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
NARRAWAY, JENNY
Xenopus laevis embryos can establish their spatial bilateral symmetrical body pattern without gravity
[ISBN 0-08-042485-6] p 8 A95-60662
NASH, G. B.
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
NATARAJAN, MOHAN
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
NATH, MALA
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054
NATSUME, KEIKO
Sweating response to simulated weightlessness p 441 A95-88585
NATTIE, EUGENIE E.
Retrotrapezoid nucleus glutamate injections: Long-term stimulation of phrenic activity
[HTN-95-60050] p 72 A95-62158
Rat retrotrapezoid nucleus iono- and metabotropic glutamate receptors and the control of breathing
[HTN-95-21573] p 368 A95-83358
NAVAJAS, DANIEL
Human lung impedance from spontaneous breathing frequencies to 32 Hz
[HTN-95-10117] p 62 A95-61968
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
T model partition of lung and respiratory system impedances
[HTN-95-00427] p 326 A95-81944
NAVALESI, PAOLO
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517

NAVARRO-GONZALEZ, R.
Chemical studies on the possible existence of life on Mars p 216 A95-66774
Role of trace metal ions in chemical evolution. The case of free-radical reactions p 194 A95-66799
NAVARRO-GONZALEZ, RAFAEL
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere p 113 A95-63790
A novel computational method to simulate non-enzymatic self-replication p 114 A95-63800
NAVEH, NAVA
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach [AD-A293742] p 493 N95-31570
NAVIDI, M.
A metabolic cage for the hindlimb suspended rat [NASA-TM-108830] p 13 N95-10828
NAVIDI, MEENA
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model [HTN-95-21562] p 366 A95-83347
NAVONA, C.
Sex differences in surface electromyogram (EMG) interference pattern power spectrum [HTN-95-50849] p 233 A95-73039
NAWROTH, T.
ERA-experiment 'space biochemistry' p 404 A95-83984
NEALY, JOHN E.
Radiation exposure predictions for long-duration-stay Mars missions [BTN-95-EIX95032453043] p 209 A95-68268
NECHITAILO, G.
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
NECITAILO, G.
In vitro plant cell growth in microgravity and on clinostat [ISBN 0-08-042485-6] p 3 A95-60641
NEDUKHA, E. M.
Possible mechanisms of plant cell wall changes at microgravity p 408 A95-87490
NEDUKHA, ELENA M.
Clinostation influence on regeneration of cell wall in Solanum tuberosum L. protoplasts [ISBN 0-08-042485-6] p 4 A95-60642
NEFF, ANTON W.
Early development of Xenopus embryos is affected by simulated gravity [ISBN 0-08-042485-6] p 7 A95-60661
NEGRO-VILAR, ROSA
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men [HTN-95-50852] p 234 A95-73042
NEGRON-MENDOZA, A.
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds p 110 A95-63776
Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview p 111 A95-63783
Site of adsorption of nucleic bases and their derivatives on clay surfaces p 112 A95-63789
NEJADNIK, BEJAN
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects [HTN-95-60058] p 74 A95-62166
NELSON, BRADLEY J.
Force and vision resolvability for assimilating disparate sensory feedback [AD-A293581] p 512 N95-31685
NELSON, G. A.
Development and chromosome mechanics in nematodes: Results from IML-1 [ISBN 0-08-042485-6] p 6 A95-60657
NELSON, LISA
Habitability of Australian Antarctic stations p 24 N95-11603
NELSON, M.
Atmospheric dynamics and bioregenerative technologies in a soil-based ecological life support system: Initial results from biosphere 2 p 516 A95-93814
NELSON, RANDAL C.
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control [AD-A293607] p 540 N95-34616
NELSON, RANDALL J.
Research activities on somatosensory (SI) cortical neurons [AD-A288794] p 379 N95-26360
NELSON, RICK C.
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105
NELSON, T.
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
NEMIRE, KENNETH
Simulation fidelity of a virtual environment display [HTN-95-B0112] p 398 A95-85928
NENONEN, J.
Transformation of multichannel magnetocardiographic signals to standard grid form [PB95-127114] p 258 N95-22371
NERI, D. F.
Behavioral effects of tyrosine during sustained wakefulness [AD-A279789] p 251 N95-20307
NESTHUS, T. E.
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance [HTN-95-10075] p 51 A95-61926
NESTHUS, THOMAS E.
Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test [DOT/FAA/AM-95/7] p 312 N95-23788
A longevity and survival analysis for a cohort of retired airline pilots [DOT/FAA/AM-95/5] p 354 N95-24237
NEUBERT, J.
The reaction of Xenopus laevis Daudin (South African toad) to linear accelerations [ISBN 0-08-042485-6] p 8 A95-60666
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
NEUMEISTER, DAVID
International Symposium on Aviation Psychology, 7th, Columbus, OH, April 26-29, 1993. Vols. 1 & 2 [HTN-95-52325] p 494 A95-95037
NEVILL, ALAN M.
The need to scale for differences in body size and mass: An explanation of Kleiber's 0.75 mass exponent [HTN-95-70499] p 230 A95-71521
NEVILLE, G. E.
A root moisture sensor for plants in microgravity p 478 A95-93785
NEVILLE, GALE E., JR.
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor [SAE PAPERS 932165] p 464 A95-90400
NEVILLE, KELLY J.
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses [AD-A293448] p 493 N95-31373
NEWBOLD, D.D.
Analysis of a membrane-based condesate recovery heat exchanger (CRX) [SAE PAPER 932089] p 469 A95-91663
NEWBOLD, DAVID D.
Preliminary analysis of a membrane-based atmosphere-control subsystem [SAE PAPER 932088] p 469 A95-91662
NEWTH, CHRISTOPHER J. L.
Measurement of high volumes by nitrogen washout method [HTN-95-A0734] p 304 A95-75303
NEWTON, ROBERT U.
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations [HTN-95-00431] p 327 A95-81948
NG, ALEXANDER V.
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans [HTN-95-A0711] p 299 A95-75280
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans [HTN-95-A0716] p 300 A95-75285
NGUYEN, VINH D.
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS) [NASA-CR-196774] p 23 N95-11386
NICHIPORUK, IGOR A.
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
NICKEL, F.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
NICKLAS, B.
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men [HTN-95-10061] p 48 A95-61912
NICKLAS, B. J.
Effects of strength training on total and regional body composition in older men [HTN-95-A0116] p 199 A95-68899
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships [HTN-95-A0641] p 283 A95-74342
NICKLE, C. J.
AMDRS: A resource for intelligent aeromedical decision-making p 162 N95-19419
NICOGOSSIAN, A. E.
Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741
NICOGOSSIAN, ARNAULD E.
Meeting human needs [AAS PAPER 91-313] p 457 A95-87470
Critical issues for space life sciences p 436 A95-88559
NICOLL, JEFFREY
A mathematical framework for an improved search model [AD-A288858] p 400 N95-26552
NIELSEN, O. WENDELBOE
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men [HTN-95-10100] p 58 A95-61951
NIELSEN, PETER EGIL
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? [HTN-95-A0481] p 231 A95-72552
NIELSEN, PETER EIGIL
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? p 114 A95-63799
NIEMANN, H. B.
Cometary coma chemical composition (C4) mission p 110 A95-63773
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry [HTN-95-20802] p 268 A95-71162
NIEMINEN, HANNU
Analysis of musculo-skeletal loading using electromyography and biomechanical modelling [PB95-135828] p 254 N95-21007
NIERZWICKI-BAUER, S. A.
Microbial communities in subsurface environments: Diversity, origin, and evolution [DE94-013699] p 27 N95-11737
NIEWOLD, THEO A.
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters [HTN-95-91884] p 336 A95-81986
NIIMURA, N.
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process [BTN-94-EIX94341340604] p 105 A95-63569
NIKONOVA, T. M.
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529
NINANE, V.
Effects of increased +G(sub z) on chest wall mechanics in humans [HTN-95-00433] p 328 A95-81950
NINANE, VINCENT
Adverse effect of hyperinflation on parasternal intercostals [HTN-95-50853] p 234 A95-73043
NINDL, G.
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
NIRANJAN, S. C.
Analysis of factors affecting gas exchange in intravascular blood gas exchanger [HTN-95-A0645] p 284 A95-74346
NIRMALAKHANDAN, N.
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3 [AD-A290153] p 431 N95-29320
NISHIDA, SHINICHIRO
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
NISHIMURA, MASAHARU
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole [HTN-95-10065] p 49 A95-61916
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men [HTN-95-A0651] p 285 A95-74352

NISHIOKA, NORMAN S.
Effects of irradiance and spot size on pulsed holmium laser ablation of tissue
[BTN-94-EIX94421282961] p 349 A95-78961
NISHITANI, KAZUHIKO
Effect of gravity on plant growth and cell wall properties p 363 A95-82613
NISHIWAKI, KIMITOSHI
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332
NISHIYASU, MIYAKO
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
NISHIYASU, TAKESHI
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
NITTA, K.
CELSS: Possible contributions to earth science program and others p 514 A95-93775
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
NITTA, KEIJI
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system p 396 A95-82508
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510
NOAKES, TIMOTHY D.
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
NOBLE, DAVID
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
NOGUCHI, TETSUO
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
NOIREAUD, J.
Changes of contractile responses due to simulated weightlessness in rat soleus muscle
[ISBN 0-08-042485-6] p 11 A95-60677
NOIREAUD, JACQUES
Changes in potassium contractures due to simulated weightlessness in rat soleus muscle
[HTN-95-50866] p 237 A95-73056
NOOJIN, GARY D.
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789
NORDSTROM, MICHAEL A.
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
NORIAN, K. H.
Electrical model for ion channels in excitable membranes
[BTN-94-EIX94371346929] p 269 A95-73341
NORMANDY, JANET
The development and applications of biomarkers
[DE94-014249] p 306 N95-22589
NORQUIST, DONALD C.
Diagnosing cloudiness from global numerical weather prediction model forecasts
[AD-A289456] p 392 N95-26992
NORROS, LEENA
13th European Annual Conference on Human Decision Making and Manual Control
[PB95-132874] p 262 N95-21284
NORSK, P.
Volume regulation in humans during weightlessness p 438 A95-88568
NORSK, PETER
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans p 85 N95-15090
NOSE, HIROSHI
Right atrial pressure and ANP release during prolonged exercise in a hot environment
[HTN-95-70075] p 76 A95-62517
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
NOSEK, THOMAS M.
Fatigue of rapid and slow onset in isolated perfused rat and mouse diaphragms
[HTN-95-A0674] p 290 A95-74375
NOSKOV, V. B.
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
NOUR, MOHAMED A.
On the development of an expert system for wheelchair selection p 214 N95-19627
NOURI, K.
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
NOVIKOV, M. A.
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
NOVIKOV, V. M.
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
NOVOTNY, J. A.
Effect of lipid on inert gas kinetics
[HTN-95-A0614] p 276 A95-74315
NOWAK, PAUL S.
Atmospheric pressure within lunar structure
[BTN-95-EIX95032452326] p 213 A95-68263
Feasibility study of inflatable structures for a lunar base
[BTN-95-EIX95041503792] p 213 A95-69223
NUMMINEN, J.
Transformation of multichannel magnetocardiographic signals to standard grid form
[PB95-127114] p 258 N95-22371
NUNO, JUAN CARLOS
Evolution of catalytic networks formed by self-replicative species p 119 A95-63824
NUSHOLTZ, GUY S.
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909
NUSSINOV, M. D.
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620
On the experimental investigation of the origin of biopolymer chirality
[HTN-95-41640] p 319 A95-78735
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix
[HTN-95-41642] p 357 A95-78737
Again on isolated cells and spores of microorganisms 'exploding' on the Earth orbit
[HTN-95-41644] p 358 A95-78739
NUTH, J.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
NYE, L. G.
Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers
[DOT/FAA/AM-94/13] p 19 N95-10144
NYHAN, DANIEL P.
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332

O

O'BYRNE, P. M.
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
O'CONNELL, MAUREEN
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
O'CONNER, D. F.
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
O'CONNER, FRANCES
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
O'CONNOR, FRANCES C.
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
O'DONNELL, ROBERT
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
O'DROBINAK, D. M.
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
O'HAGAN, KATHLEEN P.
Cardiac receptors modulate the renal sympathetic response to dynamic exercise in rabbits
[HTN-95-60032] p 67 A95-62140
Muscle chemoreflex alters vascular conductance in nonischemic exercising skeletal muscle
[HTN-95-70459] p 220 A95-71481
O'HARA, B. J.
Cometary coma chemical composition (C4) mission p 110 A95-63773
O'HARE, DAVID
Expertise in aeronautical decision making: A cognitive skill analysis p 496 A95-95073
O'KROY, JOSEPH A.
Effects of inspired O2 and CO2 on ventilatory responses to LBNP-release and acute head-down tilt
[HTN-95-01212] p 425 A95-91444
O'NEILL, N.
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
O'SULLIVAN, BRIAN P.
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
O'SULLIVAN, K.
Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes
[ISBN 0-08-042485-6] p 12 A95-60690
OBERDOERSTER, GUENTER
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
OBERGEFELL, LOUISE
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683
OBRIEN, C. O.
Integrated developmental model of life-support capabilities in wheat
[NASA-CR-196428] p 14 N95-11218
OCAMPO-FRIEDMANN, R.
A primitive cyanobacterium as pioneer microorganism for terraforming Mars p 193 A95-66784
OCAMPO-FRIEDMANN, ROSELI
Chroococcidiopsis, the most primitive living cyanobacterium? p 127 A95-63858
Terraforming Mars: Dissolution of carbonate rocks by cyanobacteria
[HTN-95-60879] p 358 A95-78859
OCHOA, MANUEL
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
OCONNELL, S. R.
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
ODA, YOSHINOBU
Right atrial pressure and ANP release during prolonged exercise in a hot environment
[HTN-95-70075] p 76 A95-62517
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
ODAGIMA, CLAUDIA HIDEMI
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
OEDMAN, S.
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227
OEGARD, O.
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522

OEIEN, K.
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support
[PB94-215597] p 181 N95-19412
OERNHAGEN, H.
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
OESTLUND, A.
Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904
OFFNER, BERTRAM
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity
[HTN-95-A0600] p 272 A95-74301
OGANOV, V. S.
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
OGAWA, OSAMU
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans
p 438 A95-88571
OGAWA, TOKUO
Sweating response to simulated weightlessness
p 441 A95-88585
OGAWA, YOKO
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems p 124 A95-63847
Redox ribonucleosides: Isolation and characterization of 5-hydroxycytidine, 5-hydroxyuridine, 8-hydroxyguanosine and 8-hydroxyadenosine from Torula Yeast RNA p 139 A95-63922
OGILVIE, ROBERT W.
Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373
OGLE, KATHRYN
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932088] p 469 A95-91662
OGLOBLIN, A. V.
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139
OGUCHI, M.
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
OGUCHI, MITSUO
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system
p 396 A95-82508
An application and evaluation of a catalyst for waste management wet-oxidization process
p 396 A95-82510
OGURI, T.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
OH-ISHI, SHUJI
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
OHARA, D.
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest
p 156 N95-16780
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
OHIRA, YOSHINOBU
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
OHKAMI, YOSHIAKI
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
OHMORI, S.
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
OHNISHI, K.
Poly-tRNA theory on the origin of mRNA and genetic codes p 117 A95-63813
OHNISHI, NORIKAZU
Sweating response to simulated weightlessness
p 441 A95-88585
OHNISHI, TAKCO
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins
p 442 A95-88599
OHNO, HIDEKI
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
OHNO, SUSUMU
Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin p 120 A95-63827
On concerned origin of transfer RNAs with complementary anticodons
[HTN-95-A0486] p 232 A95-72557
OHRUI, T.
A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970
OHSUMI, YUKIO
Human pulmonary vasculr and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
OHTA, HIROBUMI
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
OHTAKE, P. J.
Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370
OHTAKE, PATRICIA J.
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
OHTSUBO, K.
CELSS: Possible contributions to earth science program and others p 514 A95-93775
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
OHYA, NOBUO
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
OKADA, AKIYOSHI
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
OKADA, OSAMU
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
OKADA, T.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
OKAICHI, KUMIO
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins
p 442 A95-88599
OKAMOTO, OSAMU
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
OKAMURA, RYO
Development of Japanese experiment module remote manipulator system p 315 N95-23708
OKANO, TERUO
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
OKAZAKI, HIROSHI
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360
OKAZAWA, M.
Determinants of airway smooth muscle shortening in exised canine lobes
[HTN-95-91902] p 340 A95-82004
OKETA, A.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Behavior of space frog p 362 A95-82611
OKHONIN, V. A.
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776
OKLADNIKOV, YU. N.
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
OKOLI, C. N.
The effects of freezing on selected European and Asian foods prepared for International Space Missions
p 396 A95-82610
OKUNO, M.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Behavior of space frog p 362 A95-82611
OLESEN, HANNE L.
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
OLIVARI, MARIA-TERESA
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
OLIVER, JACQUES
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
OLLIVIER, Y
European EVA space suit: Full scale evaluations and analysis for the lower torso conceptual design
[SAE PAPER 932099] p 460 A95-90343
OLOFSSON, JOHN A.
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618
OLSEN, NIELS VIDIENDAL
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
OLSON, E. BURT, JR.
Physiological dead space increases during initial hours of chronic hypoxemia with or without hypocapnia
[HTN-95-A0729] p 303 A95-75298
OLSON, L. E.
Heart-lung interactions determined by electron beam X-ray CT in laterally recumbent rabbits
[HTN-95-91879] p 334 A95-81981
OLSON, L. HOWARD
Design and technical support for development of a molded fabric space suit joint
[NASA-CR-197521] p 179 N95-16894
OLSON, NEIL C.
Effect of fluoride on cardiopulmonary function and release of eicosanoids in pigs
[HTN-95-91898] p 339 A95-82000
OLSON, ROBERT M.
Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714
OMLIN, KENNETH J.
Maturational differences in step vs. ramp hypoxic and hypercapnic ventilatory responses
[HTN-95-70090] p 79 A95-62532
OMORI, CHIHARU
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
ONAL, ERGUN
Acoustically induced cortical arousal increases phasic pharyngeal muscle and diaphragmatic EMG in NREM sleep
[HTN-95-10093] p 56 A95-61944
ONEAL, MICHAEL
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
ONO, TAKATSUGU
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
ONORATO, D.
Tracheal mucosal edema in hydrostatic pulmonary edema
[HTN-95-A0619] p 277 A95-74320
OPARIL, SUZANNE
Enhanced endothelin-1 and endothelin receptor gene expression in chronic hypoxia
[HTN-95-A0721] p 301 A95-75290
ORAEVSKY, A. A.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
ORAEVSKY, ALEXANDER A.
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822
ORASANU, J.
Crew decision making under stress
p 171 N95-16765

ORASANU, JUDITH
Distributed problem solving by pilots and dispatchers p 495 A95-95065
Efficient decision strategies on the flight deck p 495 A95-95070
ORASANU, JUDITH M.
A taxonomy of decision problems on the flight deck p 495 A95-95068
ORDONEZ, C. E.
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes [BTN-95-EIX95332424654] p 484 A95-94891
ORGAN, LESLIE W.
Segmental bioelectrical impedance analysis: Theory and application of a new technique [HTN-95-A0594] p 271 A95-74295
ORGEL, LESLIE
Template-directed synthesis -- A summary p 113 A95-63794
ORGEL, LESLIE E.
Phosphorylation of glyceric acid p 112 A95-63786
In vitro selection of optimal DNA substrates for ligation p 115 A95-63805
Nonenzymatic peptide formation and aminoacylation p 117 A95-63811
Oligonucleotides as probes for studying polymerization reactions under prebiotic conditions p 121 A95-63833
Double layer hydroxide minerals as host structures for bioorganic molecules p 135 A95-63896
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides [HTN-95-A0476] p 230 A95-72547
ORIZIO, CLAUDIO
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance [HTN-95-70454] p 219 A95-71476
ORLOV, OLEG I.
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
ORNSTEIN, R. L.
Rational enzyme redesign [DE94-014565] p 29 N95-12677
ORNSTEIN, RICK L.
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme [HTN-95-A0487] p 232 A95-72558
ORO, J.
Three stages during the evolution of the genetic code p 116 A95-63817
The early evolution of metabolic pathways p 132 A95-63880
Purines: Their role in biopoiesis, biological evolution and oncogenesis p 133 A95-63884
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase p 137 A95-63911
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992 [ISBN 0-08-042540-2] p 214 A95-66751
Comets and life in the Universe p 190 A95-66761
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
OROZCO-LEVI, MAURICIO
Structure of the Latissimus dorsi muscle and respiratory function [HTN-95-00447] p 331 A95-81964
ORR, JAMES A.
Thromboxane A(sub 2) mimetic U-46619 induces systemic and pulmonary hypertension and delayed tachypnea in the goat [HTN-95-A0723] p 302 A95-75292
ORTEGA, R.
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase p 137 A95-63911
ORTEGA, RENE
Finite element analysis of a composite wheelchair wheel design [NASA-TM-108463] p 22 N95-11195
ORTIZ, GUSTAVO A.
Effectiveness of PC-based flight simulation [HTN-95-40886] p 259 A95-72263
OSADA, TAKASHI
Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614
OSBORNE, DAVID W.
Design and evaluation of instrument approach procedure charts p 518 A95-95050
OSCZEVSKI, R. J.
Thermal resistance of the cheek in cold air [AD-A286257] p 256 N95-22001
OSEI, K.
Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats [HTN-95-A0107] p 197 A95-68890
OSER, H.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992 [ISBN 0-08-042485-6] p 1 A95-60632
OSER, RANDALL L.
A PC-based system to enhance development of scenarios: Ascend (Analysis of Scenario Demands) system p 505 A95-95158
OSER, RANDY
The impact of automation on crew communication and performance p 501 A95-95125
OSGOOD, ROBERT
A comparison of performance with visual and auditory displays in a simulated target localization task p 517 A95-95042
OSHIMA, T.
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Studies in the search for life on Mars p 192 A95-66779
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
OSHIMA, TAIRO
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions p 109 A95-63768
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
OSIPOV, V. B.
Modern aspects of planetary protection and requirements to sterilization of space hardware p 216 A95-66785
OSLOV, SERGEI N.
Unidirectional sodium and potassium flux in myogenic L6 cells: Mechanisms and volume-dependent regulation [HTN-95-21587] p 372 A95-83372
OSSARD, G.
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424
OSSARD, GERARD
Response of human cerebral blood flow to +G(sub z) accelerations [HTN-95-70097] p 81 A95-62539
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
OSTROUMOV, V.
A physical and chemical characterization of Martian permafrost as a possible habitat for viable microorganisms p 216 A95-66782
OTIS, D. R., JR.
Dynamic surface tension of surfactant TA: Experiements and theory [HTN-95-70487] p 227 A95-71509
OTSUBO, KOJI
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
OTSUKA, AKIKO
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
OTTENHOFF, H. C.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
OU, L. C.
Role of sex hormones in development of chronic mountain sickness in rats [HTN-95-A0624] p 278 A95-74325
OU, LO-CHANG
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia [HTN-95-A0706] p 297 A95-75275
OVERHOLSER, K. A.
Pulmonary vascular resistance distribution and recruitment of microvascular surface area [HTN-95-A0139] p 204 A95-68922
OWEN, JAMES
Cerebellar modulation of ventilatory response to progressive hypercapnia [HTN-95-A0684] p 292 A95-75253
OWEN, TOBIAS C.
The origin and early evolution of the atmospheres of the inner planets p 182 A95-63752
OYAMA, MIKKIO
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys p 417 A95-88580

P

PACE, NORMAN R.
Structure and evolution of an RNA enzyme: Ribonuclease P. p 137 A95-63910
PACH, O.
Netherlands Institute for Brain Research progress report, 1993 [PB95-135398] p 255 N95-21352
PACKER, C. S.
Pulmonary arterial smooth muscle contractility in hypoxia-induced pulmonary hypertension [HTN-95-A0622] p 278 A95-74323
PADDAN, GURMAIL S.
Individual variability in the transmission of vertical vibration from seat to head [ISVR-TR-236] p 104 N95-15850
PAGES, BERNARD
Unusual visual stimulation in dynamic balance conditions: Proposal for a space motion sickness test [ISBN 0-08-042485-6] p 15 A95-60680
PAILLOUS, P.
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
PAILLOUS, PIERRE
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations [HTN-95-92809] p 474 A95-90727
PAILOUS, P.
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
PAINTER, CARL F., III
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats [HTN-95-A0709] p 298 A95-75278
PAIVA, M.
Effects of increased +G(sub z) on chest wall mechanics in humans [HTN-95-00433] p 328 A95-81950
PAIVA, MANUEL
Theoretical basis for time 0 correction in the rebreathing analysis [HTN-95-10068] p 50 A95-61919
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes [HTN-95-60056] p 73 A95-62164
One-dimensional simulation of aerosol transport and deposition in the human lung [HTN-95-70494] p 228 A95-71516
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1 [HTN-95-91901] p 351 A95-82003
PALCY, L.
Mobility and dissipation of cadusafos in banana fields in Martinique [GTN-95-00489697-4162] p 429 A95-92257
PALEN, LEYSIA A.
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053
PALLE, SABINE
Adverse effects of strenuous exercise: A densitometric and histomorphometric study in the rat [HTN-95-70068] p 79 A95-62530
PALMER, DALE R.
Creation of new items and forms for the Project A Assembling Objects test [AD-A285522] p 174 N95-18095
PALMER, EVERETT A.
Measurement of taskload in the analysis of aircrew performance p 507 A95-95174
PALMER, RONALD W.
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury [AD-A294895] p 539 N95-34574
PALMO, JAN
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC [HTN-95-A0593] p 271 A95-74294
PALOSKI, WILLIAM H.
The effect of space flight on spatial orientation p 437 A95-88566
PALSSON, BERNHARD O.
Biological determinants of photobioreactor design [DE94-016032] p 306 N95-22872
PAN, L. G.
Effect of helium-induced ventilatory unloading on breathing and diaphragm EMG in awake ponies [HTN-95-A0627] p 279 A95-74328

Effects on breathing of ventrolateral medullary cooling in awake goats
[HTN-95-21585] p 371 A95-83370

PAN, LAWRENCE G.
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369

PANCRATZ, DAVID J.
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457

PANDE, RAJIV
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426

PANDOLF, KENT B.
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370

PANE, JOHN F.
Assessment of the ACSE science learning environment and the impact of movies and simulations
[AD-A284071] p 175 N95-19068

PANG, CHENG
Head cooling in hyperthermia
[HTN-95-93129] p 491 A95-95630

PANG, J.
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205

PANG, X. D.
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127

PANG, XIAO-DONG
Manual discrimination of force p 102 N95-14057

PANTALEO, TITO
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985

PANUCCIO, PASQUALE
Prostaglandin synthesis blockade by ketoprofen attenuates respiratory and cardiovascular responses to static handgrip
[HTN-95-91883] p 335 A95-81985

PAPASTOGIANNIDOU, KAL.
Flight nurse school in the Hellenic Air Force
p 452 N95-29629

PAPAYAN, G. V.
Fiber-optic luminescence probes for biomedical studies
[HTN-95-61166] p 399 A95-86265

PAPELIER, Y.
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886

PAPENHUIJZEN, R.
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468

PAPINI, A.
Adaptive Dead-beat control law for trajectory tracking of robotic manipulators
[HTN-95-21049] p 465 A95-90426

PAPPELIS, ARISTOTEL
Questionnairing university students in biology on emergence and evolution of life p 113 A95-63791
Evidence that the protocell was also a protoneuron
p 126 A95-63854

PAPPERT, DIRK
Fractal analysis of surfactant deposition in rabbit lungs
[HTN-95-00418] p 324 A95-81935

PAQUETTE, K. L.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654

PARADISO, C.
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039

PARASURAMAN, RAJA
Operator versus computer control of adaptive automation p 519 A95-95059
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062

PARE, P. D.
Determinants of airway smooth muscle shortening in exised canine lobes
[HTN-95-91902] p 340 A95-82004

PARE, PETER
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996

PARENT, JOHN S.
The impact of combined heat and noise on short-term retention
[AD-A281744] p 20 N95-11570

PARIES, JEAN
Some inadequacies of the current human factors certification process of advanced aircraft technologies
p 544 N95-34785

PARISOT, J. P.
Numerical simulation of organic compounds formation in planetary atmospheres: Comparison with laboratory experiments p 405 A95-85015

PARK, GEUN OK
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267

PARK, JAE CHANG
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267

PARKER, J. ANTHONY
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335

PARKER, J. E.
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180

PARKER, J. S.
Oscillations of axial plant organs
[ISBN 0-08-042485-6] p 5 A95-60651

PARKER, JAMES C.
Regional pulmonary blood flow during rest, tilt, and exercise in unanesthetized dogs
[HTN-95-00415] p 323 A95-81932

PARKER, R. E.
Pulmonary vascular resistance distribution and recruitment of microvascular surface area
[HTN-95-A0139] p 204 A95-68922

PARKS, L. W.
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth
[AD-A288345] p 379 N95-26573

PARKS, THOMAS R.
Methodologies for processing plant material into acceptable food on a small scale
[NASA-CR-177647] p 38 N95-12132

PARNELL, T. A.
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934

PARRISH, CHRISTOPHER S.
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160

PASHCHENKO, G. S.
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075

PASTORE, RICHARD E.
Perception of auditory events: Attentional limitations
[AD-A284399] p 95 N95-15770

PASTORE, TRACY HEATH
Improved operator awareness of teleoperated land vehicle attitude
[AD-A290443] p 471 N95-29359

PATANKAR, A. V.
Biochemical markers in Precambrian sediments - Indian subcontinent p 128 A95-63863

PATE, R. R.
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524

PATE, RUSSELL R.
Effects of maximal exercise and venous occlusion on fibrinolytic activity in physically active and inactive men
[HTN-95-50859] p 235 A95-73049

PATEL, KISHOR K.
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915

PATEL, NIPAM H.
Pair-rule expression patterns of even-skipped are found in both short- and long-germ beetles
[BTN-94-EIX94401310327] p 305 A95-76502

PATERSON, DAVID J.
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
Interactive effects of K(+), acidosis, and catecholamines on isolated rabbit heart; implications for exercise
[HTN-95-A0695] p 295 A95-75264

PATERSON, DONALD H.
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372

PATRICK, W.
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282

PATRIKEEV, V. V.
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices
[HTN-95-60320] p 186 A95-65619

PATTERSON, J. G.
Dietary supplements affect the anabolic hormones after weight-training exercise
[HTN-95-60041] p 69 A95-62149

PATTERSON, JAMES H., JR.
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
Actual effectiveness of hearing protection in high level impulse noise
[AD-A291604] p 449 N95-28941

PATTERSON, JOHN C.
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768
Astronaut selection (NASA-MIPR)
[AD-A292512] p 456 N95-29162

PATTON, CYNTHIA S.
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851

PATTON, JOHN F.
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948

PATWARDHAN, A. R.
Spectral components of human cardiovascular responses to step changes in Lower Body Negative Pressure (LBNP) before and after 22 hour of 6 deg head down bed rest p 152 N95-16748

PAUL, M.
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045

PAULS, J.
Viewer-centered object recognition in monkeys
[AD-A279876] p 245 N95-20185

PAULSEN, A.
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659

PAULSEN, AVELINA
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653

PAULSEN, T.
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522

PAULUS, U.
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527

PAVONI, B.
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260

PAVORD, I.
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006

PAVY-LETRAON, A.
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292

PAWELCZYK, JAMES A.
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309

PAYNE, DAVID R.
Human performance in actuating switches during tracking
[HTN-95-A0503] p 259 A95-72574
PEACE, J.
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320
PEACOCK, MARK D.
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
PEAKE, JANICE
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
PEARCE-PINTO, GLADYS
Effects of lung volume and surface forces on maximal airway smooth muscle shortening
[HTN-95-A0650] p 285 A95-74351
PEARCE, J. A.
Numerical models of photothermal tissue welding processes p 433 A95-87818
PEARL, RONALD G.
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
PEARSON, DAVID R.
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930
PEASE, R. ADAM
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
PECARIC, M.
Methods for measuring physiological responses and protection in man exposed to high +G(z)
p 532 N95-34058
PECK, H. D., JR.
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917
PECK, RUSSELL
Validating the impact of maintenance CRM training
p 500 A95-95118
PEDERSEN, B. K.
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
PEDERSEN, BENTE KLARLUND
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
PEETERS, JOHN
The development and applications of biomarkers
[DE94-014249] p 306 N95-22589
PEGELOW, DAVID F.
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349
PEI, JINGSHEN
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
PELLETIER, NICOLAS
Ventilation and carbon dioxide exchange in exercising horses: Effect of inspired oxygen fraction
[HTN-95-91908] p 341 A95-82010
PENDERGAST, D. R.
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
PENDLETON, YVONNE J.
Life from the stars?
[HTN-95-20621] p 230 A95-72081
PENG, C.-K.
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait
[HTN-95-21598] p 374 A95-83383
PENG, JIANXIA
Mammalian cell cultivation in space
p 27 A95-61564
PENN, JOHN
Ultrashort pulse response in nonlinear dispersive media p 424 A95-90932
PEPPER, L. J.
Space medicine research: Needs for the 21st century
p 154 N95-16768
PERBAL, G.
Transduction of the gravity stimulus in the root statocyte
[ISBN 0-08-042485-6] p 2 A95-60634
PERELYGIN, V. P.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
PERES, C.
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
PEREZGASGA, L.
Site of adsorption of nucleic bases and their derivatives on clay surfaces p 112 A95-63789
PERHONEN, MERJA
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10116] p 62 A95-61969
PERMUTT, SOLBERT
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
Hyperinflation with intrinsic PEEP and respiratory muscle blood flow
[HTN-95-50667] p 237 A95-73057
PERNOW, J.
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
PERONNET, FRANCOIS
Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961
PERRAULT, H.
Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908
PERREAU, M.
Were micrometeorites a source of prebiotic molecules on the early Earth? p 191 A95-66765
PERRY, CHRIS E.
Vertical impact testing of two helmet-mounted night vision systems
[AD-A293055] p 525 N95-31671
PERRY, J. L.
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
PERRY, M. D.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
PERY-MAN, NATHALIE
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
PESCE-RODRIGUEZ, R. A.
Characterization of hydrogen cyanide polymers and the Murchison meteorite: Implications for prebiotic and extraterrestrial chemistry p 109 A95-63770
Organic analysis of hydrogen cyanide polymers: Prebiotic and extraterrestrial chemistry
p 190 A95-66760
PESLIN, RENE
Human lung impedance from spontaneous breathing frequencies to 32 Hz
[HTN-95-10117] p 62 A95-61968
T model partition of lung and respiratory system impedances
[HTN-95-00427] p 326 A95-81944
PETAK, FERENC
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
PETERKA, ROBERT J.
Relation of motion sickness susceptibility to vestibular and behavioral measures of orientation
[NASA-CR-198048] p 352 N95-24410
Role of somatosensory and vestibular cues in attenuating visually induced human postural sway
[NASA-CR-197845] p 393 N95-27697
PETERS, DEAN
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358
PETERSEN, L. N.
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
PETERSEN, NANCY S.
USAF cellular mechanism of turnover of the stress induced protein HSP70
[AD-A285618] p 251 N95-19898
PETERSON, E.
The Strecker synthesis from interstellar precursors as a source of amino acids in carbonaceous chondrites: Deuterium retention during synthesis
p 108 A95-63765
PETERSON, ETA
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis
[HTN-95-01238] p 428 A95-91470
PETERSON, STEVEN W.
Design and structural analysis of highly mobile space suits and gloves
[BTN-95-EIX95182617479] p 313 A95-75750
PETRI, HERBERT L.
Behaviorism, cognitivism and the neuropsychology of memory
[HTN-95-42102] p 388 A95-83868
PETROV, A. V.
Dynamical thermovision for a study of blood flow regulation and pathologies
[BTN-94-EIX94401361400] p 310 A95-75510
PETTITT, B. MONTGOMERY
Molecular dynamics at a constant pH
[HTN-95-92296] p 376 A95-85340
PETTITT, MAUREEN A.
Cockpit crises and decision making: Implications for pilot training p 495 A95-95067
PEW, RICHARD W.
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
PFISTER, LINDA J.
Mechanistic differences in NK cell cytolytic activity in treadmill-trained and chronic ethanol-consuming mice
[HTN-95-70079] p 77 A95-62521
PHANEUF, TINA M.
Lightweight cold weather underwear investigation
[AD-A288506] p 400 N95-26736
PHIL, D.
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
PHILLIPS, C. R.
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
PHILLIPS, LEE
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
PHILLIPS, SYBIL L.
Uses of part-task trainers in instrument flight training
p 504 A95-95153
PHILLIPS, WILLIAM T.
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers
[AD-A279774] p 246 N95-20806
PHILPOTT, D. E.
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
PHILPOTT, DELBERT E.
Ultrastructural and cellular mechanisms in myocardial deconditioning in weightlessness
[ISBN 1-55938-409-3] p 1 A95-60153
PHILPUT, C.
Graviceptor development in jellyfish ephyrae in space and on Earth
[ISBN 0-08-042485-6] p 9 A95-60669
PIANTADOSI, CLAUDE A.
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemistry
[HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267
PIASTUCH, W. C.
Soybean cotyledon starch metabolism is sensitive to altered gravity conditions
[ISBN 0-08-042485-6] p 4 A95-60644
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity
p 476 A95-93765
PICKARD, JEB S.
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161

PICKERING, J. GEOFFREY
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
PICKERING, JOHN
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
PICKETT, MARK H.
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
PICOT, M.
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
PIERSON, D. L.
Microbiological characterization of a regenerative life support system p 515 A95-93808
PIERSON, DUANE L.
Preflight and postflight microbiological results from 25 space shuttle crews
[SAE PAPER 932139] p 443 A95-90379
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381
PIETERS, A. R.
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure
[AD-A285389] p 262 N95-20609
PIKUL, V. P.
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
PILEGAARD, HENRIETTE
Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
PILIPENKO, E. A.
Laser fluorescence spectroscopy of human skin in vivo: the effect of erythema
[BTN-94-EIX94441385677] p 531 A95-96595
PINDERSKI, ERIC
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
PINKERTON, KENT E.
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
PINKUS, ALAN R.
The spatiotemporal characteristics of visual motion priming
[AD-A284782] p 261 N95-20062
PINSKI, B. JA.
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
PINTNER, R.
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
PIPPIG, T.
Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties p 166 N95-19435
PIROTTON, MICHEL J.
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
PISSARENKO, N. F.
Radiation environment during the long space mission (Mars) due to galactic cosmic rays p 349 A95-81432
PITSCH, S.
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466
PIZZARELLO, S.
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite p 190 A95-66762
PIZZARELLO, SANDRA
The meteoritic record of presolar and early solar system organic chemistry p 183 A95-63755
PLAG, INGRID
Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989
PLOUG, T.
Stability of GLUT-1 and GLUT-4 expression in perfused rat muscle stimulated by insulin and exercise
[HTN-95-21560] p 365 A95-83345
PLOUTZ, LORI L.
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
PLYLEY, M. J.
Strength training as a counter-measure for microgravity effects p 18 N95-11608
POCHET, THIERRY F.
Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149
PODOLIN, DEBORAH A.
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
PODOLSKY, I.
Peculiarities of moisture transfer in capillary-porous soil substitutes during space flight p 476 A95-93764
PODRUGIN, A. JA.
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
POE, DON R.
Visual system operational evaluation
[AD-A289173] p 392 N95-27012
POEHLMAN, ERIC T.
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903
Effects of increased energy intake and/or physical activity on energy expenditure in young healthy men
[HTN-95-A0620] p 277 A95-74321
Basal fat oxidation decreases with aging in women
[HTN-95-21586] p 371 A95-83371
POGGIO, TOMASO
Viewer-centered object recognition in monkeys
[AD-A279876] p 245 N95-20185
POGODIN, YU. S.
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix
[HTN-95-41642] p 357 A95-78737
POHORILLE, A.
Computer simulation of astrophysical ices p 108 A95-63766
Structure and functions of simple membrane-water interfaces p 125 A95-63848
POHORILLE, ANDREW
Probing the structure of cometary ice p 419 A95-88727
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728
POLIKARPOV, G. G.
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251
POLINER, JEFFREY
Geometry and gravity influences on strength capability
[NASA-TP-3511] p 180 N95-18189
POLK, DANIEL H.
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00428] p 326 A95-81945
POLL, S.
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
POLLOCK, MICHAEL L.
The cross-validation of the United States Air Force submaximal cycle ergometer test to estimate aerobic capacity
[AD-A284055] p 160 N95-18661
POLO, OLLI
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
POLULYAKH, YU. A.
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
POLYAKOV, V.
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645
PONDER, JAMES R.
The integration of visual simulation in beginning flight training p 504 A95-95154
PONNAMPERUMA, C.
Chemical studies on the possible existence of life on Mars p 216 A95-66774
Role of trace metal ions in chemical evolution. The case of free-radical reactions p 194 A95-66799
Direct interaction between amino acids and nucleotides as a possible physicochemical basis for the origin of the genetic code p 194 A95-66800
PONZO, UMBERTO
Concordia Station p 23 N95-11602
POOL, SAM LEE
NASA's extended duration orbiter medical program p 441 A95-88586
POOLE, D. C.
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity
[HTN-95-00437] p 329 A95-81954
POOLE, DAVID C.
Myosin and actin filament lengths in diaphragms from emphysematous hamsters
[HTN-95-10120] p 63 A95-61971
POON, CHI-SANG
Ventilatory responses to dead space and CO2 breathing under inspiratory resistive load
[HTN-95-91896] p 339 A95-81998
POPA, G.
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
POPE, ALAN T.
Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] p 312 N95-22579
POPE, KARL
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
POPEL, ALEKSANDER S.
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356
POPOV, YU. V.
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
POPOVA, A. F.
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
Energetic metabolism response in algae and higher plant species from simulation experiments with the clinostat p 410 A95-87500
POPOVA, I. A.
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
POPOVIC, VOJIN P.
Effect of decreased gravity on circulation in the rat
[NASA-CR-196946] p 29 N95-12827
PORCU, SILVIO
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
POROPATICH, RONALD K.
Comparison of work of breathing during mechanical ventilation using assist control and intermittent mandatory ventilation
[AD-A285516] p 157 N95-17174
PORSTI, ILKKA
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
PORSZASZ, JANOS
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
Evaluation of a symmetrically disposed Pitot tube flowmeter for measuring gas flow during exercise
[HTN-95-70458] p 220 A95-71480
PORTER, J. R.
Toluene removal from air by Dieffenbachia in a closed environment p 513 A95-93772
PORTMAN, A. I.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
POSKURICA, BESA HAXHIU
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
POSNER, JOEL D.
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
POSSAS, CRISTINA ALBUQUERQUE DE
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
POSSOLO, ANTONIO
Flight deck information management: An experiment study of functional integration of approach data p 518 A95-95053
POSTAL, M.
First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918

POTAMAN, V. N.
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
POTCHEN, E. JAMES
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
POTE, KENNETH G.
Are otoconia dynamic in birds and mammals?
p 43 N95-15103
POTENZA, FRANCESCO
MPLM fire detection and suppression: architecture and analysis
[SAE PAPER 932104] p 461 A95-90348
POU, N. A.
Pulmonary vascular resistance distribution and recruitment of microvascular surface area
[HTN-95-A0139] p 204 A95-68922
POWANDA, MICHAEL C.
Conference perspective. Neuroimmunomodulation: Stress and immune function
[AD-A291351] p 492 N95-30870
POWELL, M. R.
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
POWERS, EDMUND M.
Personal hygiene body wipe
[AD-A286092] p 267 N95-22274
POWERS, SCOTT K.
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060
POZHAROV, V.
Superresistance against hypoxia after preliminary adaptation to repeated stress
[HTN-95-70071] p 75 A95-62513
POZOS, ROBERT
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
POZOS, ROBERT S.
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
PRABAHAR, JOSEPH
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA
p 115 A95-63802
PRABAHAR, K. JOSEPH
Effect of leaving group on the oligomerization of 5'-AMP on montmorillonite p 121 A95-63834
PRAKASH, J.
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320
PRAKASH, Y. S.
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
PRANDI, E.
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
PRASAD, ADAPA V.
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866
PRATLEY, R.
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
PRATLEY, R. E.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
PRATLEY, RICHARD E.
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
PRATT, REO W.
Windshear education in the aviation industry - an overview p 503 A95-95144
PREFAUT, C.
Exercise-induced hypoxemia in older athletes
[HTN-95-10071] p 51 A95-61922
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
PREFAUT, CHRISTIAN
Validation of a noninvasive tension-time index of inspiratory muscles
[HTN-95-91907] p 341 A95-82009
PREMINGER, G. M.
Characterization of fracture toughness of renal calculi using a microindentation technique
[BTN-94-EIX94361122293] p 209 A95-65873
PRENDIN, W.
Planetary stations and Abyssal Benthic Laboratories: An overview of parallel approaches for long-term investigation in extreme environments p 316 N95-23732
PRESSON, ROBERT G., JR.
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
PRESSON, ROBERT G, JR.
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
PRESTRUDE, ALBERT M.
The effects of target vibration on contrast sensitivity
p 497 A95-95081
PRETLOW, ROBERT A., III
Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184
PREZANT, DAVID J.
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
PRICE, BRADFORD
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
PRICE, CHARLES R.
Dexterous Orbital Servicing System (DOSS)
p 316 N95-23723
PRIGODEY, E. V.
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident
[GTN-95-00489697-4145] p 429 A95-92251
PRINCE, ASHLEY
A method for specifying observations in team training
p 505 A95-95157
PRINCE, CAROLYN
Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
The impact of automation on crew communication and performance p 501 A95-95125
A method for specifying observations in team training
p 505 A95-95157
PRINZO, O. VERONIKA
Low-level alcohol effects on pilot readback performance: An exploratory study p 489 A95-95132
PRIOR, A. R. J.
Negative to positive Gz acceleration transition
p 532 N95-34052
Positive pressure breathing for G protection (PBG)
p 538 N95-34055
PRISK, G. KIM
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Inhomogeneity of pulmonary perfusion during sustained microgravity on SLS-1
[HTN-95-10102] p 59 A95-61953
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
PRISNIAKOV, V.
Overloads influence on cosmonaut's reaction rate
p 384 A95-82615
PRISNIAKOVA, L.
Overloads influence on cosmonaut's reaction rate
p 384 A95-82615
PRITCHETT, AMY
Preliminary analysis of pilot ratings of 'part line' information importance p 521 A95-95093
PRLIC, HELEN
A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia
[HTN-95-12206] p 447 A95-91906
PROBERT, ANDREW
Synthetic terrain imagery for Helmet-Mounted Display
p 518 A95-95052
PROFFITT, DENNIS R.
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116
Apparent extended body motions in depth
[HTN-94-00400] p 18 A95-60122
PROIETTO, JOSEPH
Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299
Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300
Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304
Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374
PROKOPIUS,PAUL
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
PRONYCH, S.
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
PROSS, H.-D.
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions
p 529 N95-32729
PROTASOV, N. N.
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
PROUTY, BRADFORD R.
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost
[SAE PAPER 932100] p 460 A95-90344
PRUDENTE, R.
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960
PRUSACZYK, W. K.
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846
PSOTKA, JOSEPH
Intelligent tutoring systems: Past, present, and future
[AD-A280011] p 261 N95-19970
PUCCIA, CHARLES
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
PUEYO, JUAN J.
Isoprenylglycerol diethers in non-alkaline recent and miocene evaporitic environments p 138 A95-63913
PUJOS, M.
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
PULIAFITO, CARMEN A.
Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515
PUNLA, OSCAR
Hypoxic inhibition of breathing in fetal sheep: Relationship to brain adenosine concentrations
[HTN-95-70470] p 223 A95-71492
PURI, ROHIT K.
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats
[HTN-95-50887] p 242 A95-73077
PUTCHA, L.
Effect of antiorthostatic BedRest (BR) on Gastrointestinal Motility (GIM) of normal subjects
p 153 N95-16753
PUTNAM, DAVID F.
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
PUTZ, G.
Surface activity of rabbit pulmonary surfactant subfractions at different concentrations in a captive bubble
[HTN-95-A0114] p 198 A95-68897

Q

QIAN, JINKANG
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626

QIAN, Y.
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763

QIAO, RENLI
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274

QIU, RENZHI
A study of zinc copper and manganese metabolism during military exercises in high temperature environment
[HTN-95-93128] p 491 A95-95629

QIU, SHUFAN
Absorption and steam desorption performance of weak base anion exchange resin
[HTN-95-93119] p 523 A95-95620

QUANDIEU, P.
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112

QUIGLEY, MARK D.
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307

QUINLAN, WILLIAM M.
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329

QUINTANA, JASON
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139

QUISTORFF, BJORN
(31)P-NMR spectroscopy, rsEMG, and histochemical fiber types of human wrist flexor muscles
[HTN-95-60033] p 68 A95-62141

QUIZA, JORGE
Neurodynamic oscillators p 311 N95-22987

R

RABIN, JEFF
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140

RABY, MIREILLE
Strategic workload management and decision biases in aviation
[HTN-95-40883] p 259 A95-72260

RADA, M.
Medication in the course of active flying duty p 168 N95-19443

RADDIN, JAMES H., JR.
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457

RADOMSKI, MANNY W.
Use of a speadsheet program for circadian analysis of biological/physiological data
[HTN-95-01219] p 426 A95-91451

RADYUK, R. I.
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463

RAFF, HERSHEL
Inhibition of aldosterone release by hypoxia in vitro: Interaction with carbon monoxide
[HTN-95-60031] p 67 A95-62139

RAFFIN, THOMAS A.
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991

RAGHAVAN, K. R.
Forward and inverse problems in elasticity imaging of soft tissues
[BTN-95-EIX95332424675] p 483 A95-94877

RAGUSO, COMASIA, A.
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971

RAHIM-CRITES, L.
How health risk from radiation is assessed
[DE95-003477] p 311 N95-23142

RAHIMANN, H.
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527

RAHMOUNE, HASSAN
Evaportion-induced changes in airway surface liquid on an isolated guinea pig trachea
[HTN-95-10115] p 62 A95-61966

RAIGORODSKAYA, T. G.
Principles of constructing an expert system for medical thermal vision
[HTN-95-61164] p 399 A95-86263

RAINSBERGER, R.
Automated volumetric grid generation for finite element modeling of human hand joints
[DE95-009575] p 494 N95-32097

RAJAGOPALAN, REMA
Archaebacterial ribulose bisphosphate carboxylase p 138 A95-63914

RAJULU, SUDHAKAR L.
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887

RAKELS, J. L. L.
Process strategies in the enzymatic resolution of enantiomers
[PB95-107850] p 245 N95-20208

RAKOW, ALLEN L.
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179

RALPH, MARTIN R.
Cell culture and transplantation of the suprachiasmatic circadian pacemaker
[AD-A280977] p 148 N95-16481

RAMADURAI, S.
Extinction of dinosaurs: A possible novel cause p 191 A95-66769

RAMAMURTHY, MAYA
Performance effects of plan-based displays in commercial aviation p 518 A95-95056

RAMANATHAN, M.
Cardiopulmonary adaptations to pneumonectomy in dogs. 4: Membrane diffusing capacity and capillary blood volume
[HTN-95-A0153] p 208 A95-68936

RAMANUJAM, N.
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence p 435 A95-87832

RAMIREZ, GERMAN
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975

RAMIREZ, W. FRED
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383

RAMONATXO, MICHELE
Validation of a noninvasive tension-time index of inspiratory muscles
[HTN-95-91907] p 341 A95-82009

RANACHOWSKI, JERZY
The use of acoustic emission in orthopedics p 16 N95-10243

RANDALL, DAVID C.
Protein accumulation in cerebrospinal fluid during -90 deg head-down tilt in rabbit
[HTN-95-A0685] p 292 A95-75254

RANE, SNEHA S.
Biochemical markers in Precambrian sediments - Indian subcontinent p 128 A95-63863

RANGEL, A. PEREZ
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase p 137 A95-63911

RANKIN, JAMES M.
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359

RANNEY, D.
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356

RAPCSAK, M.
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141

RAPER, C. DAVID, JR.
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean
[NASA-CR-197098] p 141 N95-15961

RAPHAN, THEODORE
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376

RAPOTKOV, ALEXANDER N.
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091

RARAZ, ALCIDES G.
Biological and biotechnological waste management in materials processing
[HTN-95-20610] p 397 A95-84791

RASMUSSEN-FELDT, BO
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536

RASMUSSEN, O.
Development of plant protoplasts during the IML-1 mission
[ISBN 0-08-042485-6] p 6 A95-60655

RASMUSSEN, S. L.
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions p 481 A95-93805

RASPOTNIK, WILLIAMS B.
Effects of pilot background and experience on air combat maneuvering (ACM) performance p 498 A95-95101

RASTEGAR, S.
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817

RATH, H. J.
Analysis of aggregation mechanism of erythrocytes under normal- and microgravity conditions p 407 A95-87299

RATTIGAN, STEPHEN
Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311

RAUCH, H. E.
Neutral networks for control, identification and diagnosis p 514 A95-93797

RAULIN, F.
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
Laboratory studies of organic chemistry in planetary atmospheres: From simulation expriments to spectroscopic determinations
[HTN-95-81363] p 404 A95-83716
Organic chemistry in Titan's atmosphere: New data from laboratory simulations at low temperature p 473 A95-89217

RAULIN, FRANCOIS
Titan: A planetary laboratory for studying prebiotic evolution p 183 A95-63753
Absorption coefficient of propynenitrile in the mid-UV range for the study of Titan's atmosphere: Solution to sample contaminations
[HTN-95-92809] p 474 A95-90727

RAVA, R. P.
Using laser spectroscopy to diagnose disease p 434 A95-87829

RAVEN, PETER B.
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362

RAWSON, R. E.
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288

RAY, CHESTER A.
Naloxone does not affect the cardiovascular and sympathetic adjustments to static exercise in humans
[HTN-95-A0608] p 274 A95-74309
RAY, ROD
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932068] p 469 A95-91662
RAYL, K. D.
Overview of selected molecular biological databases
[DE95-005906] p 346 N95-25181
REARDON, MATTHEW J.
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811
REDDIX, M. D.
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
REDDY, JANARDAN K.
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
REDMOND, J. MARK
Prolonged pulmonary vascular hyperreactivity in conscious dogs after cardiopulmonary bypass
[HTN-95-A0631] p 280 A95-74332
REE, MALCOLM JAMES
Pilot-candidate selection method: Sources of validity
[HTN-95-A0502] p 259 A95-72573
REED, GEORGE W.
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
REED, H.
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
REED, J.
Characterization of sampling schemes for whole body PET imaging
[BTN-95-EIX95332424665] p 483 A95-94884
REED, STEVEN G.
Diagnostic antigens of Leishmania
[AD-A288805] p 381 N95-27097
REEVES, DENNIS L.
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs
[AD-A284928] p 169 N95-16140
REEVES, J. T.
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
REEVES, JOHN T.
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
REFAEL, H.
A direct approach to the study of the effect of gravity on axis formation in birds
[ISBN 0-08-042485-6] p 8 A95-60663
REGAL, DAVID M.
Human engineering analysis for the high speed civil transport flight deck p 517 A95-95040
REGGIA, JAMES A.
A novel computational method to simulate non-enzymatic self-replication p 114 A95-63800
REGGIANI, CARLO
Myosin isoforms in mammalian skeletal muscle
[HTN-95-A0102] p 195 A95-68885
REHG, JAMES R.
Visual tracking of self-occluding articulated objects
[AD-A292894] p 511 N95-31383
REICE, SETH R.
Nonequilibrium determinants of biological community structure
[HTN-95-11904] p 378 A95-85985
REICHENBACH-KLINKE, K.
Relevance of laboratory tests in aeromedical decisions p 163 N95-19420
REID, MICHAEL B.
Dimethyl sulfoxide depresses skeletal muscle contractility
[HTN-95-70083] p 78 A95-62525
N-acetylcysteine depresses contractile function and inhibits fatigue of diaphragm in vitro
[HTN-95-A0616] p 276 A95-74317
REID, W. D.
Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907
REIFFENSTEIN, R. J.
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
REIGLE, T.
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
REIJNEN, M.
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
REIJNEN, MARK
Xenopus laevis embryos can establish their spatial bilateral symmetrical body pattern without gravity
[ISBN 0-08-042485-6] p 8 A95-60662
REIMER, KENNETH J.
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258
REIMERS, HAROLD
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
REIN, ROBERT
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme
[HTN-95-A0487] p 232 A95-72558
REINHART, WALTER H.
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
REINKING, ROBERT M.
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
REISING, JACK
The effect of previous level of workload on the NASA task load index (TLX) in a simulated flight task p 508 A95-95179
REISING, JACK D.
Distance estimation training with night vision goggles: A preliminary study
[AD-A284900] p 104 N95-15755
Distance estimation training with night vision goggles under low illumination
[AD-A291338] p 472 N95-29943
REISING, JOHN M.
Failure indications on a head-up display p 517 A95-95045
REITSTETTER, R.
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
REITZ, G.
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I p 404 A95-83983
REITZ, GUENTHER
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
REMMERS, J. E.
Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943
REMMERS, JOHN E.
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
REMPEL, D.
Ergonomic evaluation of the Apple Adjustable Keyboard
[DE95-002393] p 266 N95-21637
REN, JIANMING
Additive effect of contractions and insulin on GLUT-4 translocation into the sarcolemma
[HTN-95-A0633] p 281 A95-74334
RENAUD, J. M.
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
REPINE, JOHN E.
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
REPPERT, STEVEN M.
Cellular analysis of circadian rhythmicity in cultured SCN neurons
[AD-A284167] p 159 N95-18512
RESCHKE, M.
Dynamics of the G-excess illusion p 155 N95-16771
RESCHKE, MILLARD F.
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
The effect of space flight on spatial orientation p 437 A95-88566
REUM, MONICA E.
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
REYES, ROBERT
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059
REYNOLDS, HERBERT M.
Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30907
REYNOLDS, KATY
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
REZAIEKHALIGH, MOHAMMAD M.
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats
[HTN-95-70477] p 224 A95-71499
REZVANI, MOJGAN
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946
RHOADES, R. A.
Pulmonary arterial smooth muscle contractility in hypoxia-induced pulmonary hypertension
[HTN-95-A0622] p 278 A95-74323
RHODES, C. G.
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
RHODES, W. R.
Strength training as a counter-measure for microgravity effects p 18 N95-11608
RIBEIRO, NUNO PEDRO
The EEG in the evaluation of applicants to aircrew members p 165 N95-19432
RIBERA, JOHN E.
User acceptability and comfort of the communications earplug (CEP) when used in the UH-1 helicopter
[AD-A294047] p 539 N95-34492
RICE, J.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-86777
RICH, G. F.
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289
RICHALET, JEAN-PAUL
Adrenergic status of humans during prolonged exposure to the altitude of 6,542 m
[HTN-95-10103] p 59 A95-61954
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
RICHARD, P.
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
RICHARDS-KORTUM, R.
Phantoms for fluorescence spectroscopy p 435 A95-87830
RICHARDS-KORTUM, REBECCA
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
Evaluation of a method to remove reabsorption and scattering effects from turbid sample fluorescence p 435 A95-87832
RICHARDS, G. F.
Development and chromosome mechanics in nematodes: Results from IML-1
[ISBN 0-08-042485-6] p 6 A95-60657
RICHARDS, ROBERT I.
Dynamic mutations
[HTN-95-00506] p 375 A95-83386

RICHARDSON, L.
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation
p 471 N95-29624
RICHARDSON, LONDE A.
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
Sarcoidosis in US military aviators
p 166 N95-19438
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941
RICHARDSON, RUSSELL S.
Initial fall in skeletal muscle force development during ischemia is related to oxygen availability
[HTN-95-50873] p 238 A95-73063
RICHNER, BONNIE
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
RICHTER, ERIK A.
Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
RICKABY, DAVID A.
Influence of hypoxia and serotonin on small pulmonary vessels
[HTN-95-10073] p 51 A95-61924
Pulmonary capillary transport function from flow-limited indicators
[HTN-95-A0618] p 277 A95-74319
Edema development and recovery in neurogenic pulmonary edema
[HTN-95-A0694] p 294 A95-75263
RICKS, WENDELL R.
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
Categorization and prioritization of flight deck information p 495 A95-95054
Cognitive representations of flight-deck information attributes p 495 A95-95055
RIDDLE, MARK S.
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341
RIDER, EVELYN D.
Lung parenchyma and type 2 cell morphometrics: Effect of surfactant treatment on preterm ventilated lamb lungs
[HTN-95-A0673] p 290 A95-74374
RIECK, U.
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
RIEU, MICHEL
Sex as a determining factor in the effect of exercise on in vivo autoimmune response adjuvant arthritis
[HTN-95-10116] p 62 A95-61967
Effect of muscular exercise on chronic relapsing experimental autoimmune encephalomyelitis
[HTN-95-50862] p 236 A95-73052
RIGGS, ALAN J.
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050
RIGNEY, DAVID R.
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497
RIGOPULOS, A.
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
RIKKEN, PATRICK J.
POINTER: Portable Intelligent Trainer for External Robotics p 315 N95-23714
RING, KEN M.
Double layer hydroxide minerals as host structures for bioorganic molecules p 135 A95-63896
RING, W. STEVES
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
RINGLER, JACK
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
RIOS-TEJADA, F.
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
RIOS, FRANCISCO
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces
p 162 N95-19418
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
RIOU, BRUNO
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
RISI, S.
Biochemical constraints for survival under martian conditions p 192 A95-66778
ERA-experiment 'space biochemistry'
p 404 A95-83984
RISI, SERGIO
The stability of DNA in extreme dryness
p 135 A95-63894
RITTER, S.
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines
p 528 N95-32726
RIVERA, JUANITA M.
Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537
RIVIERE, D.
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
RIZER, ANNETTE
Generator of body data (GEBOD) manual
[AD-A289721] p 469 N95-28683
RIZZO, ANTHONY
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
RIZZOTTI, MARTINO
Cilium (undulipodium): Origin and geometry
p 134 A95-63886
RKHODES, C. G.
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
ROACH, JOSEPH F.
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390
ROAD, J. D.
Regional diaphragm shortening measured by sonomicrometry
[HTN-95-70492] p 228 A95-71514
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283
ROBBINS, DONALD E.
Radiation health for a Mars mission
p 383 A95-82602
ROBBINS, P. A.
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960
Alterations in respiratory control during 8 h of isocapnic and poikilocapnic hypoxia in humans
[HTN-95-00444] p 330 A95-81961
ROBERSON, D. J.
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708
ROBERT, FRANCOIS
The origin of the terrestrial oceans inferred from their oxygen isotopic compositions p 184 A95-63859
Nitrogen isotopic composition of organic matter: Chemical fossils in Precambrian cherts
p 127 A95-63861
ROBERTS, A. C.
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
ROBERTS, CHARLES T., JR.
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
ROBERTS, DONALD E.
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
ROBERTSON, BENGT
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
ROBERTSON, C.
Scene analysis: A brief survey
[PB94-205085] p 36 N95-13433
ROBERTSON, H. THOMAS
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
ROBERTSON, JAMES B.
The relative biological effectiveness of attenuated protons p 321 A95-81449
ROBERTSON, M. M.
The effects of Crew Resource Management (CRM) training in airline maintenance: Results following three year's experience
[NASA-CR-196696] p 394 N95-28676
ROBERTSON, MICHAEL P.
Prebiotic synthesis of hydroxymethyluracil and some t-RNA bases p 108 A95-63763
ROBERTSON, MICHELLE M.
Validating the impact of maintenance CRM training
p 500 A95-95118
ROBICSEK, ARI A.
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
ROBINSON, D. G.
Fuzzy clustering of facial form for prototyping environmental protection equipment
[DE94-014657] p 267 N95-22466
ROBINSON, DEAN M.
Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373
ROBINSON, JEMETT L.
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941
ROBINSON, M. C.
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
ROBINSON, M. J.
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
ROBINSON, MICHAEL C.
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
ROBINSON, SABINA I.
Acute radiation sickness amelioration analysis
[AD-A279084] p 256 N95-21629
ROBINSON, VINCENT J. B.
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
ROCA, JOSEP
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
ROCCA, PATRICK
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin
[AD-A290439] p 487 N95-30452
ROCK, IRVIN
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116
ROCK, PAUL B.
Adductor pollicis muscle fatigue during acute and chronic altitude exposure and return to sea level
[HTN-95-A0601] p 273 A95-74302
ROCK, STEPHEN M.
Experiments in control of a flexible-link robotic manipulator with unknown payload dynamics: An adaptive approach
[HTN-95-92509] p 457 A95-87329
ROCKENFELLER, UWE
High-temperature waste heat driven cooling using sorption media
[SAE PAPER 932113] p 462 A95-90354
RODARTE, JOSEPH R.
Inferences on passive diaphragm mechanics from gross anatomy
[HTN-95-50888] p 242 A95-73078

RODENBURG, J. B.
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
RODGERS, M. D.
A human factors evaluation of the operational demonstration flight inspection aircraft
[DOT/FAA/AM-95/18] p 471 N95-29365
RODGERS, MARK D.
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655
RODIN, A.
Correlations between structural and chemical properties of amino acids and their place in the genetic code table p 120 A95-63826
RODIN, ANDREI
On concerned origin of transfer RNAs with complementary anticodons
[HTN-95-A0486] p 232 A95-72557
RODIN, ANDREY
Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin p 120 A95-63827
RODIN, SERGEI
On concerned origin of transfer RNAs with complementary anticodons
[HTN-95-A0486] p 232 A95-72557
RODIN, SERGEY
Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin p 120 A95-63827
RODRIGUE, S.
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
RODRIGUES, ANNETTE T.
Training for life science experiments in space at the NASA Ames Research Center p 37 N95-11964
RODRIGUES-JUNIOR, O.
Application of compartmental metabolic models for determination of retention and excretion functions
[DE95-600249] p 352 N95-24367
RODRIGUEX-ROISIN, ROBERT
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
RODRIGUEZ-VALERA, FRANCISCO
Isoprenylglycerol diethers in non-alkaline recent and miocene evaporitic environments p 138 A95-63913
RODVOLD, MICHELLE
The influence of air traffic control message length and timing on pilot communication p 520 A95-95087
ROE, MERRY M.
Temporal pacing in visual attention
[AD-A289785] p 355 N95-26041
ROECHER, H.
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
ROECKER, LOTHAR
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955
ROEDIGER, HENRY, III
Comparing performance on implicit memory tests
[AD-A284861] p 212 N95-19740
ROER, ROBERT D.
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540
ROERIG, D. L.
Estimation of the pulmonary capillary transport function in isolated rabbit lungs
[HTN-95-00434] p 328 A95-81951
ROERIG, DAVID L.
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294
ROESSLER, K.
Biological samples in comet simulation experiment (KOSI-11) p 140 A95-63926
ROGATSKY, G. G.
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
ROGERS, WILLIAM H.
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041
Cognitive representations of flight-deck information attributes p 495 A95-95055
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
ROHATGI, N. K.
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194
ROHATGI, NARESH
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
ROMANI, PAUL N.
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
ROMIRO, P.
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
ROOKE, G. ALEC
Maximal skin blood flow is decreased in elderly men
[HTN-95-A0586] p 269 A95-74287
ROOS, C. M.
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289
ROSCOE, STANLEY N.
Eye accommodation: Use of Vernier optometers in behavioral research
[HTN-95-92293] p 388 A95-85337
ROSE, DAVID A.
Occupant reach and mobility apparatus
[AD-D016253] p 267 N95-22099
ROSE, MICHAEL
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248
ROSE, R. M.
Validation of astronaut psychological select-in criteria p 171 N95-16762
ROSEKIND, M. R.
Alertness management in two-person long-haul flight operations p 170 N95-16760
ROSEKIND, MARK R.
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-80074] p 377 A95-85890
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
ROSEMARIN, A.
Clearing-house mechanism to promote and facilitate technical and scientific cooperation under the UN Convention on Biological Diversity
[PB95-214557] p 530 N95-33236
ROSEN, MICHAEL J.
A high performance two degree-of-freedom kinesthetic interface p 99 N95-14042
ROSENBERG, CARLA B.
Suited for spacewalking: Teacher's guide with activities for physical and life science
[NASA-EG-101] p 96 N95-13888
ROSENQVIST, JAN
The vertical distribution and origin of HCN in Neptune's atmosphere
[HTN-95-70123] p 181 A95-63436
ROSENTHAL, DOUGH
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
ROSENTHAL, L. J.
Confusion on the flight deck p 496 A95-95077
ROSENTHAL, PATRICK
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
ROSENWALD, T.
Effect of hyperbaric oxygen on tissue distribution of mononuclear cell subsets in the rat
[HTN-95-50846] p 232 A95-73036
ROSENZWEIG, E.
Regeneration of guinea pig facial nerve: The effect of hypergravity p 411 A95-87505
ROSKEY, CHESTER T.
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251
ROSNESS, R.
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support
[PB94-215597] p 181 N95-19412
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522
ROSS, C. R.
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
ROSS, C. W.
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
ROSS, I. F.
Aircrew acceptance of automation in the cockpit
[CONGRESS PAPER C428-30-179] p 512 A95-93614
ROSS, LEONARD E.
Effect of alcohol on the threshold for detecting angular acceleration
[HTN-95-12204] p 447 A95-91904
ROSS, M. D.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
ROSS, WILLIAM G.
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
ROSSI, ALDO
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976
ROSSI, J. C.
Investigations about alpha-aminoacid synthesis under prebiotic conditions p 107 A95-63761
ROSSI, M.
Histamine and exercise-induced hypoxemia in highly trained athletes
[HTN-95-10072] p 51 A95-61923
ROSTAIN, J. -C.
Psychophysiological reactions in humans during an open sea dive to 500 m with a hydrogen-helium-oxygen mixture
[HTN-95-10106] p 59 A95-61957
ROSTAIN, J.-C.
Effects of high pressures of various gas mixtures on rat striatal dopamine detected in vivo by voltammetry
[HTN-95-00451] p 332 A95-81968
ROSZEK, BORIS
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle
[HTN-95-50848] p 233 A95-73038
ROTGER, MAR
Human lung impedance from spontaneous breathing frequencies to 32 Hz
[HTN-95-10117] p 62 A95-61968
T model partition of lung and respiratory system impedances
[HTN-95-00427] p 326 A95-81944
ROTH, J. THOMAS
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
ROTHSCHILD, L. J.
A 'crytic' microbial mat: A new model ecosystem for extant life on Mars p 192 A95-66781
Elevated CO2: Impact on diurnal patterns of photosynthesis in natural microbial ecosystems p 480 A95-93796
ROULEAU, D.
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
ROUNDS, JAN D.
Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
[HTN-95-91919] p 344 A95-82021
ROUNTREE, MICHAEL S.
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
ROUSE, WILLIAM B.
Certify for success: A methodology for human-centered certification of advanced aviation systems p 541 N95-34773
ROUSSELLE, OLIVIER
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
ROUSSELOT, P.
Possible evidence of hydrocarbons released by the nucleus of Halley's comet p 190 A95-66759
ROUX, S. J.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632

Immunolocalization of an annexin-like protein in corn
[ISBN 0-08-042485-6] p 10 A95-60672
ROVETTA, ALBERTO
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
ROWELL, L. B.
Carotoid baroreflex control of blood pressure and heart rate in men during dynamic exercise
[HTN-95-A0103] p 196 A95-68886
ROY, MAURICE W.
Inflatable life vest
[AD-D017273] p 471 N95-29600
ROYER, RICK
Synthetic terrain imagery for Helmet-Mounted Display p 518 A95-95052
RUAN, JISHENG
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617
RUBEIN, LEOR
Dual laser irradiation during tissue ablation: Effect of carbon layer removal on ablation and coagulation p 434 A95-87826
RUBENCHIK, A. M.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
RUBIN, M.
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
RUBIN, M. A.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
RUBIN, MICHELLE
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
RUBINSTEIN, ISRAEL
Neutral endopeptidase modulates substance P-induced vasodilation in vivo
[HTN-95-91897] p 339 A95-81999
RUDISILL, MARIANNE
Certification for civil flight decks and the human-computer interface p 544 N95-34784
RUDOLF, E.
Peptidase-1 expression in some organs of the salamander Pleurodeles waltl submitted to a 12-day space flight p 415 A95-87524
RUEB, JUSTIN D.
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
RUEKER, FLORIAN
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
RUGGIERO, JOSE R.
A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963
RUMMEL, J. D.
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
RUMMEL, JOHN D.
Exobiology opportunities from Discovery-class missions p 184 A95-63890
Future NASA plans for exobiology and solar system exploration p 186 A95-63900
RUPAINIENE, O.
In vitro plant cell growth in microgravity and on clinostat
[ISBN 0-08-042485-6] p 3 A95-60641
RUPERT, A. H.
Dynamics of the G-excess illusion p 155 N95-16771
RUSAK, BENJAMIN
Neurophysiological analysis of circadian rhythm entrainment
[AD-A280981] p 148 N95-16484
RUSIN, S. V.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
RUSKOAHO, HEIKKI
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
RUSSELL, A. J.
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843
RUSSELL, ALAN J.
Investigation of pressure regulation in an archaebacterial enzyme
[AD-A281413] p 142 N95-16164
RUSSELL, I. M.
Ownership and accountability - they're not just buzzwords
[CONGRESS PAPER C428-14-201] p 469 A95-91707
RUSSELL, JAMES E.
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach
[AD-A289299] p 401 N95-27046
RUSSMANN, C.
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
RUSSO, MASSIMO
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
RUTH, M.
Anaerobic digestion analysis model: User's manual
[DE94-011858] p 246 N95-20471
RYAN, A. J.
Responses of rat mesenteric arteries to norepinephrine during exposure to heat stress and acidosis
[HTN-95-21559] p 365 A95-83344
RYAN, A. S.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
RYAN, ALICE S.
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
RYAN, ARTHUR M.
Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884
RYAN, LANNY J.
The options of pilots flying automated corporate aircraft with regard to their perceived workload p 507 A95-95173
RYG, MORTEN
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627
RYMAN, DAVID
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
RYUMIN, O. O.
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615

S

SABA, THOMAS M.
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318
SABO, V.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
SABO, VLADIMIR
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions p 45 N95-15144
SABOE, G. W.
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators p 167 N95-19439
SACCO, P.
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
SACK, F. D.
Cell biology of plant gravity sensing
[ISBN 0-08-042485-6] p 4 A95-60646
SADATSUKI, YASUMICHI
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
SADEH, W. Z.
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
SADEH, WILLY Z.
Feasibility study of inflatable structures for a lunar base
[BTN-95-EIX95041503792] p 213 A95-69223
SADURSKI, RALPH
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
SAEED, A.
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
SAEFKOW, M.
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
SAENGER, ARLEEN M.
Care in the air: A system analysis of clinical outcomes in aeromedical evacuation p 472 N95-29626
SAFAR, M. E.
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
SAGAN, C.
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797
SAGAN, CARL
Organic aerosols in the atmosphere of Titan p 183 A95-63754
SAGAWA, S.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
SAGER, J.
Object-oriented model-driven control p 515 A95-93799
SAGER, J. C.
Proximate nutritional composition of CELSS crops grown at different CO2 partial pressures p 477 A95-93780
Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
Performance and reliability of the NASA biomass production chamber p 515 A95-93801
SAGER, JOHN
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371
SAGER, JOHN C.
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor
[SAE PAPERS 932165] p 464 A95-90400
SAGI, J.
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides p 122 A95-63837
SAIKI, CHIKAKO
Metabolic-ventilatory interaction in conscious rats: Effect of hypoxia and ambient temperature
[HTN-95-10095] p 57 A95-61946
Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252
SAIKI, HISASHI
Hormonal changes on rat under the hypergravity exposure p 362 A95-82609
SAITO, MITSURU
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
SAITO, O.
Flow pulsatility does not increase mean microvascular pressure or filtration in zone 3 rabbit lungs
[HTN-95-00424] p 325 A95-81941
SAITO, T.
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
SAITO, TAKESHI
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions p 109 A95-63768
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
SAIVIN, S.
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789

SAJDA, P.
Constructing visual perception
[HTN-95-81495] p 375 A95-85209
SAKAGUCHI, KATSUMI
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
SAKAI, AKIO
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
SAKAI, AKIRA
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
SAKAI, J.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
SAKAMAKI, FUMIO
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
SAKURAI, YASUHISA
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
SALAMA, F.
Polycyclic aromatic hydrocarbon ions and the diffuse interstellar bands p 194 A95-66804
SALANSKY, N.
Laser induced tissue temperature changes
p 432 A95-87816
SALAS, EDUARDO
Aeronautical decision making and consistency of crew behaviors: Implications fortraining p 496 A95-95072
The development of aircrew coordination behaviors
p 505 A95-95156
SALERNO, F. G.
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
SALINS, S. A.
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
SALISBURY, F.
'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
Preparations for CELSS flight experiments with wheat
p 512 A95-93762
SALMERON, SERGIO
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
SALTIEL, CRAIG
Light remedies for hazardous wastes
[HTN-95-41864] p 320 A95-80590
SALTIN, B.
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
SALTIN, BENGT
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
SAMAJA, MICHELE
Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503
SAMEJIMA, FUMIKO
Cognitive diagnosis combined with latent trait theory and multiphase responses
[AD-A288701] p 355 N95-26010
SAMMON, MICHEL
Geometry of respiratory phase switching
[HTN-95-50883] p 241 A95-73073
Symmetry, bifurcations, and chaos in a distributed respiratory control system
[HTN-95-50884] p 241 A95-73074
SAMOYLOV, V. M.
Clinostation influence on regeneration of cell wall in Solanum tuberosum L. protoplasts
[ISBN 0-08-042485-6] p 4 A95-60642
SAMPAIO, CARLOS E.
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627
SAMPSON, M.
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
SAMS, CLARENCE
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
SAMSEL, RICHARD W.
Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10098] p 58 A95-61949
SAMSONOV, N. M.
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems
[SAE PAPER 932075] p 468 A95-91653
A physico/chemical system for hygiene waste water recovery
[SAE PAPER 932076] p 468 A95-91654
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
SAMUEL, ARTHUR G.
Signal- and listener- based factors in complex auditory pattern perception
[AD-A285636] p 262 N95-21101
SAMUELS-TOYLOY, N.
Ventilatory output and acetylcholine: Perturbations in release and muscarinic receptor activation
[HTN-95-50878] p 240 A95-73068
SAMUELSON, LYNNE A.
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
SAN, KA-YIU
Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346
SANADA, S.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
SANDAL, GRO M.
Interpersonal relations during simulated space missions
[HTN-95-12201] p 455 A95-91901
SANDBERG, S.
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
SANDERS, DONALD C.
Simultaneous gas-chromatographic determination of four toxic gases generally present in combustion atmospheres
[AD-A285666] p 38 N95-12354
SANDFORD, S. A.
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802
SANDIFORD, PATRICK
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
SANDMAN, CURT A.
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
SANFORD, BEVERLY
Evaluation in context: ATC automation in the field
p 543 N95-34781
SANFORD, BEVERLY D.
Head-up displays: Effect of information location on the processing of superimposed symbology
p 517 A95-95048
SANGAL, SATYA P.
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
SANII, R.
Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
SANTELLA, LUIGIA
Fertilization of sea urchin eggs in Space and subsequent development under normal conditions
[ISBN 0-08-042485-6] p 6 A95-60656
SANTOLI, S.
Nanobiological principles and the origin of life
p 119 A95-63821
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy
[HTN-95-60321] p 187 A95-65620
SANTOLI, SALVATORE
Short-lived dissipative nanostructures in solids: Did phase-ordered phonons contribute to biopolymer evolution?
[HTN-95-41643] p 358 A95-78738
SANTY, P. A.
Results of an International Space Crew Debrief
p 152 N95-16750
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761
Validation of astronaut psychological select-in criteria
p 171 N95-16762
SAPP, W.
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
SAPUNOVA, S.
'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects
p 481 A95-93804
SARAVOLAC, E. G.
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
SARDELLA, G. L.
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325
SARGEANT, A. J.
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering
[HTN-95-A0623] p 278 A95-74324
SARGIS, P. D.
Developments in ground-penetrating radar at LLNL
[DE94-012236] p 95 N95-13671
SARIS, W. H. M.
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
SARLO, O.
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
SARRI, G.
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
SARTER, NADINE B.
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
SARUKKAI, RAMESH R.
Supervised learning without output labels
[TR-510-REV] p 94 N95-15588
SASAKI, FUMIHIKO
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
SASSEN, A. M.
Design issues of human operator support systems
[PB94-191376] p 36 N95-11778
SATA, MAKOTO
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368
SATAKE, H.
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v
p 416 A95-88570
SATAKE, HIROTAKA
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
The effect of space flight on spatial orientation
p 437 A95-88566
SATHYAN, DEEPA
Electrically evoked myoelectric signals in back muscles: Effect of side dominance
[HTN-95-50847] p 232 A95-73037
SATO, MAKOTO
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation
p 176 N95-15984
SATO, MOTOO
Time course of augmentation and depression of hypoxic ventilatory responses at altitude
[HTN-95-A0615] p 276 A95-74316
SATO, SHINOBU
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368
SATO, YUZO
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
SAUER, K.
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965

SAULEDA, JAUME
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
SAUNDERS, D. K.
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143
SAUNDERS, P. L.
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
SAUSENG-FELLEGGER, G.
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
SAUSENG-FELLEGGER, GABRIELE
Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107
SAUTER, DAVID
Night Vision Goggles (NVG) software user's guide, version 5.1
[AD-A284563] p 179 N95-18029
SAVAGE, C.
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
SAVAGE, MARGARET V.
Maximal skin blood flow is decreased in elderly men
[HTN-95-A0586] p 269 A95-74287
Reproducibility of core temperature threshold for sweating onset in humans
[HTN-95-A0640] p 282 A95-74341
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563
SAVAGE, P. D.
Experiment kits for processing biological samples inflight on SLS-2
[NASA-TM-4685] p 474 N95-28722
An inflight refill unit for replenishing research animal drinking water
[NASA-TM-4684] p 474 N95-28818
SAVICH, RENATE D.
Effect of inhibition of prostaglandin synthesis on breathing movements and pulmonary blood flow in fetal sheep
[HTN-95-91893] p 338 A95-81995
SAVION, NAPHTHALI
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach
[AD-A293742] p 493 N95-31570
SAVOUREY, G.
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310
SAVOUREY, GUSTAVE
Thyroid hormone changes in a cold air environment after local cold acclimation
[HTN-95-70072] p 75 A95-62514
SAWADA, SHIN-ICHI
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
SAWAI, HIROAKI
An approach to prebiotic synthesis of oligoribonucleotides p 114 A95-63797
SAWAYA, DAVID E.
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
SAWIN, C. F.
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
SAWIN, CHARLES F.
NASA's extended duration orbiter medical program p 441 A95-88586
SAWKA, MICHAEL N.
Physiological tolerance to uncompensable heat stress: Effects of exercise intensity, protective clothing, and climate
[HTN-95-A0606] p 274 A95-74307
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577
SAYAMA, KOICHI
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
SAYKALLY, R. J.
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
SCANLON, RAYMOND
How the brain works
[AD-A279138] p 263 N95-21968
SCARPACE, PHILIP J.
Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age
[HTN-95-A0128] p 202 A95-68911
SCATTERGOOD, T. W.
Exobiology experiments for Earth-orbital platforms p 185 A95-63891
Exobiology research on Space Station Freedom p 215 A95-66768
The physical nature of Titan's aerosols: Laboratory simulations p 193 A95-66794
SCHAECHTER, D. B.
Neutral networks for control, identification and diagnosis p 514 A95-93797
SCHAEFER, M.
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
SCHAFER, J.
Phototaxis in the flagellate, Euglena gracilis, under the effect of microgravity
[HTN-95-80092] p 105 A95-63478
SCHAFF, JAMES
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
SCHAFFAR, L.
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
SCHALL, I.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
SCHAPIRA, RALPH M.
Reduction and uptake of methylene blue from rat air spaces
[HTN-95-A0722] p 301 A95-75291
SCHARDT, D.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
SCHATT, PHILIPPE
Fertilization of sea urchin eggs in Space and subsequent development under normal conditions
[ISBN 0-08-042485-6] p 6 A95-60656
SCHATZ, A.
Gravity effects on membrane processes
[ISBN 0-08-042485-6] p 2 A95-60636
The reaction of Xenopus laevis Daudin (South African toad) to linear accelerations
[ISBN 0-08-042485-6] p 8 A95-60666
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
SCHEDL, H. P.
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
SCHEID, P.
Respiratory response to inhaled CO2 during positive inspiratory pressure in humans
[HTN-95-A0141] p 205 A95-68924
SCHEIDENBERGER, C.
Nuclear fragmentation of high-energy heavy-ion beams in water p 442 A95-88874
SCHENK, DAVID A.
Elimination of glutathione-induced protection from hyperbaric hyperoxia by acivicin
[HTN-95-10107] p 60 A95-61958
SCHERRER-CROSBIE, M.
Vitamin E does not prevent exercise-induced increase in pulmonary clearance
[HTN-95-50855] p 234 A95-73045
SCHERZER, HERBERT
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10087] p 55 A95-61938
SCHIAFFINO, STEFANO
Myosin isoforms in mammalian skeletal muscle
[HTN-95-A0102] p 195 A95-68885
SCHIDLOWSKI, M.
Phosphorus as a potential guide in the search for extinct life on Mars p 216 A95-66775
Isotope fractionations in the terrestrial carbon cycle: A brief overview p 195 A95-66807
SCHIDLOWSKI, MANFRED
Life in Isua times? A frontier revisited p 127 A95-63857
SCHLAGER, K. J.
Instrumentation for plant health and growth p 478 A95-93788
SCHLATER, NELSON J.
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642
SCHLEGEL, ROBERT E.
Tactile stimulation of the human head for information display
[HTN-95-20756] p 390 A95-86646
SCHLENKER, EVELYN H.
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats
[HTN-95-50857] p 235 A95-73047
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
SCHMIDT-NIELSEN, KNUT
How are control systems controlled?
[HTN-95-42103] p 388 A95-83869
SCHMIDT, DAVEY
M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361
SCHMIDT, GREGORY W.
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526
SCHMIDT, MICHAEL A.
Influence of isometric loading on biceps EMG dynamics as assessed by linear and nonlinear tools
[HTN-95-00412] p 322 A95-81929
SCHMIDT, P.
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
SCHMIDT, THOMAS A.
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531
SCHMIED, J.
No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581
SCHMITT, D. A.
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
SCHMITT, R. M.
Touchless determination of 3-D-arbitrary surfaces with high accuracy using 500 kHz air ultrasound p 444 A95-90863
SCHMITZ, C.
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions p 528 N95-32724
SCHMITZ, M.
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
SCHMITZ, MARY C.
Contractile and cellular remodeling in rabbit skeletal muscle after cyclic eccentric contractions
[HTN-95-A0670] p 289 A95-74371
SCHNEIDER, DONALD A.
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
SCHNEIDER, E.
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731
SCHNEIDER, H.
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731
SCHNEIDER, REINHARD
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
SCHNEIDER, V.
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
SCHOBERSBERGER, WOLFGANG
Time course of erythropoietin, triiodothyronine, thyroxine, and thyroid-stimulating hormone at 2,315 m
[HTN-95-10104] p 59 A95-61955

SCHOENE, ROBERT B.
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
SCHOFIELD, BRIAN H.
Hypernea with dry air causes time-dependent alterations in mucosal morphology and bronchovascular permeability
[HTN-95-00438] p 329 A95-81955
SCHOFIELD, GARY L.
Validation of MMPI scales for personality disorders: A pilot and other aviator study
[AD-A284397] p 95 N95-15768
SCHOPF, J. WILLIAM
New evidence of the antiquity of life
p 126 A95-63855
SCHOR, ROBERT H.
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 28 N95-12006
SCHOTT, J. U.
Time resolving detector systems for radiobiological investigations of effects of single heavy ions
p 349 A95-81440
SCHRAAGEN, J. M.
A framework for the analysis of cognitive tasks
[AD-A285345] p 172 N95-16835
SCHRIMSHER, ROBERT H.
Aviation epidemiology data register
[AD-A279303] p 352 N95-24423
SCHROEDER, D. J.
Relationships of type A behavior with biographical characteristics and training performance of air traffic controllers
[DOT/FAA/AM-94/13] p 19 N95-10144
Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
SCHROEDER, DAVID
Blink rate: A possible measure of fatigue
[HTN-95-B0073] p 377 A95-85889
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
SCHROEDER, DAVID J.
Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934
SCHUBERT, JIM
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116
SCHUBERT, SCOTT F.
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
SCHUBERT, W. W.
Development and chromosome mechanics in nematodes: Results from IML-1
[ISBN 0-08-042485-6] p 6 A95-60657
SCHUERCH, DAVID
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
SCHUERCH, SAMUEL
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
SCHUERGER, A. C.
Spectral quality may be used to alter plant disease development in CELSS p 482 A95-93811
SCHUFF, N. R.
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity
p 380 N95-26729
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730
SCHULLER, H. M.
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801
SCHULMAN, STEVEN P.
Cardiovascular responses to exhaustive upright cycle exercise in highly trained older men
[HTN-95-A0727] p 303 A95-75296
Impact of age on the cardiovascular response to dynamic upright exercise in healthy men and women
[HTN-95-00422] p 325 A95-81939
SCHULTE, MITCHELL
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737
SCHULTE, MITCHELL D.
Thermodynamics of Strecker synthesis in hydrothermal systems p 134 A95-63888
SCHULTE, MITHELL D.
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
SCHULTES, ERIK
Amino acid distribution in acient and derived proteins
p 117 A95-63814
SCHULTZ, EDWARD
Acute effects of hindlimb unweighting on satellite cells of growing skeletal muscle
[HTN-95-10059] p 48 A95-61910
SCHULTZ, REBECCA
Characterization of the fast-phase component of the vestibulo-ocular response
[AD-A281830] p 147 N95-16360
SCHULZ, THEREAS Y.
Monitoring audiometry in hearing conservation programs
[AD-A282024] p 83 N95-14145
SCHUMACKER, PAUL T.
Adrenergic vasoconstriction augments tissue O2 extraction during reductions in O2 delivery
[HTN-95-10098] p 58 A95-61949
SCHUSTER, DANIEL P.
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
SCHUSTER, PETER
RNA based evolutionary optimization
[HTN-95-A0485] p 231 A95-72556
SCHUTTE, W.
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
SCHUTTE, W. A.
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802
SCHWARTING, IRENE S.
Studies of novel popout
[AD-A285237] p 169 N95-16244
SCHWARTZ, ALAN W.
Prebiotic synthesis of pentaerythritol from formaldehyde investigation of the mechanism p 110 A95-63778
A new perspective for prebiotic formation of achiral, nucleic acid-like molecules p 113 A95-63795
Polypeptide-assisted oligomerization of nucleotide analogs p 114 A95-63801
Oligomerization of a nucleotide analog related to barbituric acid p 115 A95-63804
Is ligation the only solution to the pyrophosphate problem?
[HTN-95-A0480] p 231 A95-72551
SCHWARTZ, D. E.
Magnetite: What it reveals about the origin of the banded iron formations p 128 A95-63862
Feasibility of an integrated X-ray instrument for Mars exobiology and geology p 185 A95-63892
Search for life on Mars: Evaluation of techniques
p 216 A95-66776
SCHWARTZ, HOWARD M.
Model reference adaptive control for robotic manipulators without velocity measurements
[HTN-95-21046] p 465 A95-90423
SCHWARTZ, R.
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853
SCHWARTZ, ROBERT S.
Beta-adrenergic effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
SCHWARTZ, WILLIAM J.
The 1993 Gordon Research Conference on Chronobiology
[NASA-CR-197990] p 310 N95-24047
SCHWEHM, G. H.
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars p 217 A95-66787
SCHWIRZKE, MARTIN
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
SCISLO, TADEUSZ J.
Daily exercise improved blood pressure homeostasis of rats subjected to surgical stress
[HTN-95-60038] p 69 A95-62146
SCIUTO, ALFRED M.
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
SCOON, G. E. N.
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars p 217 A95-66787
SCOTT-DOUGLAS, NAIRNE W.
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
SCOTT, ANDREW D.
Delayed pilot recognition in lost communication events
p 520 A95-95086
SCOTT, C. D.
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843
SCOTT, MICHAEL W.
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
SCOTT, ROBERT
Some implications of pilots' approaches to learning
p 503 A95-95149
SCOTT, T. C.
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843
SEAGRAVE, R. C.
Using second law analysis to predict the efficiency of ECLSS subsystems
[SAE PAPER 932061] p 466 A95-91640
SEALS, DOUGLAS R.
Total blood volume in healthy young and older men
[HTN-95-70096] p 92 A95-62538
Maximal aerobic capacity and total blood volume in highly trained middle-aged and older female endurance athletes
[HTN-95-A0643] p 283 A95-74344
Endurance exercise training is associated with elevated basal sympathetic nerve activity in healthy older humans
[HTN-95-A0711] p 299 A95-75280
Arm muscle sympathetic nerve activity during preparation for and initiation of leg-cycling exercise in humans
[HTN-95-A0716] p 300 A95-75285
SEAMSTER, THOMAS L.
The future of LOFT scenario design and validation
p 501 A95-95128
CRM assessment and instructor knowledge structures
p 502 A95-95130
SEBBINS, CHARLES L.
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
SEBURN, KEVIN
Effects of altered muscle activation on oxidation enzyme activity in rat alpha-motoneurons
[HTN-95-50858] p 235 A95-73048
SECHER, N. H.
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
SECHER, NIELS H.
(31)P-NMR spectroscopy, rsEMG, and histochemical fiber types of human wrist flexor muscles
[HTN-95-60033] p 68 A95-62141
Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
Dynamic exercise enhances regional cerebral artery mean flow velocity
[HTN-95-21555] p 364 A95-83340
SECKER, JEFF
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659

SEDOVA, YU. G.
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
SEEDHOUSE, ERIK L. O.
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
SEGAL, LEON D.
Automation design and crew coordination p 522 A95-95126
SEGAL, STEVEN S.
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats
[HTN-95-50887] p 242 A95-73077
SEGEBARTH, CHRISTOPHER
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes
[HTN-95-60056] p 73 A95-62164
SEIGNEURIC, A.
EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422
Centrifuge tests of the medical condition of French fighter pilots p 163 N95-19424
SEITZ, RUDIGER J.
Cerebral hemodynamics during sensorimotor activation in humans
[HTN-95-70474] p 224 A95-71496
SEITZER, U.
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
SEJERSTED, OLE M.
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade
[HTN-95-91891] p 338 A95-81993
SEKHON, HARMANJATINDER S.
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry
[HTN-95-21569] p 367 A95-83354
SEKIGUCHI, C.
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
SEKIGUCHI, MORIE
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep
[HTN-95-A0708] p 298 A95-75277
SELEZNEV, S. A.
The formation of 'minimal protocell': Thermodynamical and mechanical aspects p 125 A95-63851
SELLAND, M.
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
SELLAND, MARK A.
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
SELLER, HORST
Different effects of respiratory and metabolic acidosis on preganglionic sympathetic nerve activity
[HTN-95-A0600] p 272 A95-74301
SEN, CHANDAN K.
Exercise-induced oxidative stress: Glutathione supplementation and deficiency
[HTN-95-50851] p 233 A95-73041
Unidirectional sodium and potassium flux in myogenic L6 cells: Mechanisms and volume-dependent regulation
[HTN-95-21587] p 372 A95-83372
SENGUPTA, SANDIP
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
SEO, H.
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
SEO, HISAO
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992
[HTN-95-42627] p 436 A95-88558
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
SEPELEV, E. JA.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106
SERIES, F.
Influence of lung volume dependence of upper airway resistance during continuous negative airway pressure
[HTN-95-A0138] p 204 A95-68921
SERIKOV, V. B.
Recovery from increased pressure or increased leakiness edema in perfused sheep lungs
[HTN-95-A0602] p 273 A95-74303
SEROVA, LYUBOV V.
Changing gravity level and the development of animals p 43 N95-15101
SESHAN, P. K.
Life support systems analysis and technical trades for a lunar outpost
[NASA-TM-109927] p 314 N95-23194
SETLIK, ROBERT F.
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme
[HTN-95-A0487] p 232 A95-72558
SEVERAE, ALEXANDRA
Unusual visual stimulation in dynamic balance conditions: Proposal for a space motion sickness test
[ISBN 0-08-042485-6] p 15 A95-60680
SEVERINGHAUS, JEFFREY P.
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
SEVERINGHAUS, JOHN W.
Exercise O2 transport model assuming zero cytochrome PO2 at dot-VO2(sub max)
[HTN-95-A0122] p 200 A95-68905
Time course of augmentation and depression of hypoxic ventilatory responses at altitude
[HTN-95-A0615] p 276 A95-74316
SEXTON, WILLIAM L.
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
SEYLAZ, JACQUES
Response of human cerebral blood flow to +G(sub z) accelerations
[HTN-95-70097] p 81 A95-62539
SFRISO, A.
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260
SHACKELFORD, LINDA
Characterization of microgravity effects on bone structure and strength using fractal analysis p 531 N95-32419
SHADE, ELIZABETH
Effects of hyperinflation and CPAP on work of breathing and respiratory failure in dogs
[HTN-95-A0136] p 204 A95-68919
SHAH, MANESH
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
SHAHED, A. R.
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926
SHAKER, REZA
Coordination between respiration and swallowing: Respiratory phase relationships and temporal integration
[HTN-95-60048] p 71 A95-62156
SHALABIEA, O. M.
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
SHALIN, VALERIE L.
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
SHANLEY, PAUL F.
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
SHANNON, S. G.
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054
SHANNON, SAMUEL G.
Aviation Epidemiology Data Register: Gender-specific attrition from the trained US Army aviator cohort of 1988
[AD-A284395] p 92 N95-15810
Aviation epidemiology data register: Age-specific medical and nonmedical attrition rates among Fort Rucker civilian aviators
[AD-A284970] p 146 N95-16132
Aviation epidemiology data register: Coronary angiography outcomes of civilian aviators flying US aircraft
[AD-A285191] p 147 N95-16405
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
[AD-A291856] p 456 N95-29434
SHAO, ZHIFENG
Development and application of low-temperature AFM
[AD-A291704] p 383 N95-28525
SHAOLIANG, HONG
NMR studies on the weak interactions between amino acids and nucleotides p 126 A95-63853
SHAPIRO, ROBERT
The prebiotic role of adenine: A critical analysis p 111 A95-63784
The prebiotic role of adenine: A critical analysis p 420 A95-88732
SHAPIRO, Y.
Predicting heart rate response to variouus metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
SHAPPELL, S. A.
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
SHARMA, ARCHANA
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054
SHARP, RICK L.
Time course for exercise-induced alterations in insulin action and glucose tolerance in middle-aged people
[HTN-95-21556] p 364 A95-83341
SHARP, TERESA A.
Energy balance in endurance-trained female cyclists and untrained controls
[HTN-95-70087] p 79 A95-62529
SHAW, LEONARD
Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949
SHCHERBAK, VLADIMIR
An information 'worm hole' between 20 amino acids and 64 triplets is dug through the decimal and quarternary systems p 117 A95-63812
SHEAR, WILLIAM A.
Untangling the evolution of the web
[HTN-95-81497] p 376 A95-85211
SHECHTMAN, ORIT
Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice
[HTN-95-50871] p 238 A95-73061
SHEDDAN, MARYLIN K.
Interior design for international teams serving long term in an extreme environment: A problem statement p 24 N95-11609
SHEINSTEIN, ARKADIY S.
Architectural concept of Antarctic station of a new generation p 24 N95-11604
SHELDAHL, LOIS M.
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function
[HTN-95-10055] p 46 A95-61906
SHELLENBERGER, K.
Pituitary cells in space
[ISBN 0-08-042485-6] p 3 A95-60638
SHELTON, SUSAN
Telepresence control of a dual-arm dexterous robot p 316 N95-23735
SHEN, B. W.
Contribution of ankyrin-band 3 complexes to the organization and mechanical properties of the membrane skeleton of human erythrocyte
[DE95-005835] p 352 N95-24427
SHEN, B.-Q.
A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970
SHEN, CHIEN-YEH
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
SHEN, SHILIANG
Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats
[HTN-95-93122] p 486 A95-95623
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
SHEN, WEIQUN
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
SHEN, X.
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
SHEN, XUEFU
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621

SHENDER, BARRY S.
Cold water immersion simulations using the Wissler Texas Thermal Model: Validation and sensitivity analysis
[HTN-95-12212] p 448 A95-91912
SHEPHARD, KERRY L.
Evaportion-induced changes in airway surface liquid on an isolated guinea pig trachea
[HTN-95-10115] p 62 A95-61966
SHEPHERD, RAYMOND E.
Prior exercise suppresses the plasma tumor necrosis factor response to bacterial lipopolysaccharide
[HTN-95-A0732] p 304 A95-75301
SHEPHERD, WILLIAM T.
Human factors in aviation maintenance, phase 4
[DOT/FAA/AM-95/14] p 402 N95-27696
SHERIDAN, THOMAS B.
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
Human Machine Interfaces for Teleoperators and Virtual Environments
[NASA-CP-10071] p 96 N95-14013
Human factors considerations for remote manipulation p 103 N95-14949
SHERMAN, RICHARD A.
Use of body surface heat patterns for predicting and evaluating acute lower extremity pain among soldiers
[AD-A292829] p 493 N95-31446
SHERMAN, W. M.
Effects of acute running exercise on whole body insulin action in obese male SHHF/Mcc-fa(cp) rats
[HTN-95-A0107] p 197 A95-68890
SHERRICK, CARL E.
The display of tactile information p 96 N95-14017
SHERRY, CLIFFORD J.
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
SHI, J.-N.
Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304
SHI, X.
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
SHI, ZHIZHEN
A study on changes of glycosaminoglycan and minerals in calvariae and vertebrae in rats after exposure to simulated weightlessness
[HTN-95-93123] p 486 A95-95624
SHIBATA, MASAYUKI
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme
[HTN-95-A0487] p 232 A95-72558
SHIBUKAWA, KIWAO
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
SHIGETA, MASAKI
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
SHIH, M.
Ergonomic evaluation of the Apple Adjustable Keyboard
[DE95-002393] p 266 N95-21637
SHIINO, DAJIRO
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755
SHIMIZU, KUNIAKI
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
SHIMIZU, MAKOTO
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
SHIMIZU, TSUYOSHI
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
SHIMOYAMA, AKIRA
Prebiotic organic compounds in Antarctic carbonaceous chondrites p 107 A95-63760
Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile p 111 A95-63780
SHIMOYAMA, ISAO
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
SHINOMIYA, YASUO
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
SHIONO, H.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
SHIRAHATA, MACHIKO
Acetylcholine and carotid body excitation during hypoxia in the cat
[HTN-95-10094] p 57 A95-61945
SHIRAISHI, A.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Behavior of space frog p 362 A95-82611
SHIRAISHI, KOICHIRO
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
SHIRAKI, K.
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908
SHIRASAKA, SEIKOH
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
SHITRIT, RONIT
Physical performance and heat tolerance after chronic water loading and heat acclimation
[HTN-95-01209] p 425 A95-91441
SHIZGAL, BERNIE D.
Discrete velocity model for an escaping single-component atmosphere
[HTN-95-50283] p 187 A95-65778
SHOCK, EVERETT
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737
SHOCK, EVERETT L.
Thermodynamics of Strecker synthesis in hydrothermal systems p 134 A95-63888
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 139 A95-63920
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
SHOEMAKER, J. K.
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
SHOPE, ROBERT E.
World Reference Center for Arboviruses
[AD-A281635] p 91 N95-15445
SHOURKSMITH, GEORGE
Finding the right stuff: Personality studies of airline pilots p 499 A95-95107
SHOUMURA, S.
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla p 418 A95-88591
SHRIER, I.
N(sup G)-nitro-L-arginine and phenylephrine have similar effects on the vascular waterfall in the canine hindlimb
[HTN-95-91886] p 336 A95-81968
SHTANKO, S. P.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
SHU, SANG MOON
The development of human behaviour analysis techniques and the development of human factors technologies
[DE95-613356] p 524 N95-31267
SHU, Y.
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
SHU, YE
Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age
[HTN-95-A0128] p 202 A95-68911
SHUMAN, D.
Destabilizing effects of visual environment motions simulating eye movements or head movements p 103 N95-14061
SHUTE, VALERIE J.
Intelligent tutoring systems: Past, present, and future
[AD-A280011] p 261 N95-19970
SICONOLFI, S.
Countermeasure development to space adaptation p 439 A95-88578
SICONOLFI, S. F.
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
SICONOLFI, STEVEN F.
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
SIDE, ELEONORA A.
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
SIDNEY, DANIEL A.
Ventilatory responses to dead space and CO2 breathing under inspiratory resistive load
[HTN-95-91896] p 339 A95-81998
SIDOROV, V. A.
Clinostation influence on regeneration of cell wall in Solanum tuberosum L. protoplasts
[ISBN 0-08-042485-6] p 4 A95-60642
SIDOSSIS, LABROS S.
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971
SIEBERS, JEFFREY F.
The relative biological effectiveness of attenuated protons p 321 A95-81449
SIECK, G. C.
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
SIECK, GARY C.
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats
[HTN-95-50857] p 235 A95-73047
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
Changes in satellite cell mitotic activity during acute period of unilateral diaphragm denervation
[HTN-95-A0692] p 294 A95-75261
SIEGEL, JOHN H.
Medical and surgical evaluation and care of illness in space
[NASA-CR-196280] p 17 N95-10937
SIEIRO, JUAN
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
SIEVERS, A.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
Differential flank growth
[ISBN 0-08-042485-6] p 5 A95-60649
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions p 408 A95-87491
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
SIEVERS, D.
Self-replicating oligonucleotides p 119 A95-63822
SIKES, ANTHONY
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251
SIKES, C. STEVEN
Evidence that the protocell was also a protoneuron p 126 A95-63854
SILFER, J. A.
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
SILVA, E.
Early gene duplication and the origin of biochemical regulation p 133 A95-63862
SILVER, RAE
Diffusible driving and coupling signals of the biological clock
[AD-A285353] p 258 N95-22475
SILVERMAN, JEFFREY A.
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
SILVERSEIN, JOANN
Iodine disinfection by-products generated in water from selected organic precursor compounds
[SAE PAPER 932097] p 460 A95-90341
SILVERSTEIN, D. A.
Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473
SILVERSTEIN, JOANN
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation
[SAE PAPER 932096] p 460 A95-90340

SIMANONOK, K.
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
SIMANONOK, KARL E.
The relationship between space sickness and preflight diet p 88 N95-15122
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130
SIMEROTH, JOHN P.
Caffeine's influence on critical frequency thresholds [AD-A282005] p 173 N95-17447
SIMMONS, S. C.
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777
SIMMONS, TAMMY L.
Whole-body vibration assessment of the palletized load system [AD-A285181] p 176 N95-16145
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1 [AD-A285199] p 176 N95-16147
SIMOLA, JUHA
Source distribution of visual evoked neuromagnetic responses [PB95-127643] p 255 N95-21348
SIMON, BRETT A.
Analyzing (13)NN lung washout curves in the presence of intraregional nonuniformities [HTN-95-60059] p 74 A95-62167
Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction [HTN-95-91909] p 342 A95-82011
SIMON, PEGGY M.
Apnea after normocapnic mechanical ventilation during NREM sleep [HTN-95-50876] p 239 A95-73066
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs [HTN-95-91906] p 341 A95-82008
SIMON, ROBERT
Performance effects of instrument symbology displayed in night vision goggles during simulated contour flight p 494 A95-95047
SIMON, WILLIAM E.
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS) [NASA-CR-196774] p 23 N95-11386
SIMONDS, CHARLES H.
Life support technology investment strategies for flight programs: An application of decision analysis [SAE PAPER 932064] p 467 A95-91642
SIMONEAU, JEAN-AIME
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation [HTN-95-A0663] p 287 A95-74364
SIMONEIT, BERND R. T.
Evidence and conditions for synthesis of organic compounds in hydrothermal systems p 139 A95-63919
Evidence for organic synthesis in high temperature aqueous media - facts and prognosis p 421 A95-88735
SIMONNET, G.
Interrelations between nervous system and immune system in stress situations [PB95-135521] p 311 N95-22770
SIMONS, F. E. R.
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs [HTN-95-91903] p 340 A95-82005
SIMONS, RIES
On-board crew-rest facilities p 522 A95-95134
SIMONS, RIES M.
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
SIMONSEN, LISA C.
Radiation exposure predictions for long-duration-stay Mars missions [BTN-95-EIX95032453043] p 209 A95-68268
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
SIMPSON, S. NOEL
Influence of warning label signal words on perceived hazard level [HTN-95-B0069] p 390 A95-85885
SIMSKE, S. J.
Effect of microgravity on collagenase deprotoeinization and EDTA decalcification of bone fragments [HTN-95-80712] p 250 A95-73284
SINDERBY, C.
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs [HTN-95-A0595] p 271 A95-74296
SINGH, M.
Analysis of aggregation mechanism of erythrocytes under normal- and microgravity conditions p 407 A95-87299
Effect of phase encoding steps on 1D chemical shift imaging of lactate during brain activation [BTN-95-EIX95332424677] p 486 A95-94675
Functional MRI at 1.5T [BTN-95-EIX95332424676] p 488 A95-94876
SINICHKIN, YU. P.
Laser fluorescence spectroscopy of human skin in vivo: the effect of erythema [BTN-94-EIX94441385677] p 531 A95-96595
SINJAK, JU. E.
A physical/chemical system for water and atmosphere recovery aboard a space station [SAE PAPER 932077] p 468 A95-91655
SINOWAY, LAWRENCE I.
Sympathetic nerve activity during prolonged rhythmic forearm exercise [HTN-95-10113] p 61 A95-61964
Forearm compression during exercise increases sympathetic nerve traffic [HTN-95-70468] p 222 A95-71490
SIPES, DAWN E.
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot [AD-A294018] p 538 N95-34376
SIPILA, SARIANNA
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women [HTN-95-21596] p 374 A95-83381
SIRENKO, S. P.
The theoretical consideration of microgravity effects on a cell p 412 A95-87509
SIRKO, R. J.
Lunar base CELSS design and analysis p 514 A95-93773
SIROTA, MISCHA
Reduction of ocular counter-rolling by adaptation to space [NASA-CR-196279] p 32 N95-12376
SITZER, MATTHIAS
Cerebral hemodynamics during sensorimotor activation in humans [HTN-95-70474] p 224 A95-71496
SIVAN, YAKOV
Measurement of high volumes by nitrogen washout method [HTN-95-A0734] p 304 A95-75303
SKAGGS, WILLIAM E.
A model of the neural basis of the rat's sense of direction [AD-A289678] p 381 N95-26761
SKATRUD, JAMES B.
Effect of chemoreceptor stimulation and inhibition on total pulmonary resistance in humans during NREM sleep [HTN-95-10097] p 57 A95-61948
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs [HTN-95-91906] p 341 A95-82008
SKELLY, JUNE J.
Temporal pacing in visual attention [AD-A289785] p 355 N95-26041
SKIBINSKI, T. A.
Performance enhancing ration components program: Supplemental carbohydrate test [AD-A288560] p 400 N95-26558
SKLAR, MICHAEL
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight [SAE PAPER 932144] p 443 A95-90383
SKOOG, K. O.
Colour vision deficiencies: Matching and confusion of computer colours [PB95-141925] p 355 N95-24864
SKUNDBERG, T.
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
SKUNDBERG, T. L.
A metabolic cage for the hindlimb suspended rat [NASA-TM-108830] p 13 N95-10828
SLAGER, C. J.
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism [HTN-95-A0665] p 288 A95-74366
SLATER, JAMES M.
The relative biological effectiveness of attenuated protons p 321 A95-81449
SLAUSON, J. W.
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators p 167 N95-19439
SLAVIN, THOMAS J.
Permeable membrane experiment [SAE PAPER 932161] p 464 A95-90396
SLENZKA, K.
Gravity effects on membrane processes [ISBN 0-08-042485-6] p 2 A95-60636
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny [ISBN 0-08-042485-6] p 9 A95-60668
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994 [ISBN 0-08-042649-2] p 407 A95-87485
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2 p 411 A95-87503
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project p 415 A95-87525
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2 p 415 A95-87526
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
SLEZAK, T.
Automated integration of genomic physical mapping data via parallel simulated annealing [DE95-008057] p 382 N95-27725
SLOPIS, J.
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
SLOYER, JOHN L., JR.
Microbial control of the space suit assembly for space station freedom [SAE PAPER 932103] p 461 A95-90347
SLUSSER, J.
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission [ISBN 0-08-042485-6] p 7 A95-60660
SMALL, RONALD L.
Certify for success: A methodology for human-centered certification of advanced aviation systems p 541 N95-34773
SMALL, W., IV
Plasma mediated ablation of biological tissues with ultrashort laser pulses [DE95-011748] p 530 N95-33654
SMIRNOVA, TAMARA
Glucocorticoids in metabolic control during exercise: Alanine metabolism [HTN-95-60046] p 71 A95-62154
SMISETH, OTTO A.
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy [HTN-95-21582] p 370 A95-83367
SMITH, A.
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men [HTN-95-10061] p 48 A95-61912
SMITH, ALEXANDER G.
Time, ice and terraforming [HTN-95-60881] p 358 A95-78861
SMITH, ARTHUR H.
Some genetic aspects of adaptation to hyperdynamic environments p 86 N95-15100
SMITH, D. A.
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2 [DE94-014513] p 104 N95-15309
SMITH, DARRIN A.
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1 [AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2 [AD-A281932] p 22 N95-11357
SMITH, DARYL R.
Aviation spatial orientation in relationship to head position, attitude interpretation, and control [AD-A281869] p 170 N95-16433

SMITH, ELDON R.
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
SMITH, FIONA J.
Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336
SMITH, G. C.
Lunar base CELSS design and analysis
p 514 A95-93773
SMITH, GERALD J.
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
SMITH, GUY M.
Self-analysis of LOFT as a strategy for learning CRM in undergraduate flight training p 500 A95-95117
SMITH, HAL L.
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529
SMITH, KEVIN M.
The future of LOFT scenario design and validation
p 501 A95-95128
The role of LOFT in CRM integration
p 502 A95-95129
CRM assessment and instructor knowledge structures
p 502 A95-95130
SMITH, M.
Strength training increases resting metabolic rate and norepinephrine levels in healthy 50- to 65-yr-old men
[HTN-95-10061] p 48 A95-61912
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
SMITH, MARJOLEIN V.
Effect of regional circulation patterns on observed HbCO levels
[HTN-95-A0639] p 282 A95-74340
Carboxyhemoglobin formation due to transient exposure to high level carbon monoxide: Experimental results and an explanatory model
[AD-A285476] p 254 N95-20979
SMITH, MARTIN G.
Disorientation and postural disequilibrium from simulated flight p 490 A95-95164
SMITH, MICHAEL B.
Sympathetic nerve activity during prolonged rhythmic forearm exercise
[HTN-95-10113] p 61 A95-61964
SMITH, MOREY
Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90380
SMITH, PHIL
Distributed problem solving by pilots and dispatchers
p 495 A95-95065
SMITH, PHILIP J.
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
SMITH, R. P.
Role of sex hormones in development of chronic mountain sickness in rats
[HTN-95-A0624] p 278 A95-74325
SMITH, RALPH
Relationship between MRI relaxation time and muscle fiber composition
[HTN-95-00410] p 322 A95-81927
SMITH, ROY M.
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
SMITH, SHERYL S.
Cerebellar circuit mechanisms which accompany coordinated limb trajectory patterns in the rat: Use of a model of spontaneous changes in limb coordination
[AD-A284023] p 160 N95-18656
SMITH, SINCLAIR
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
SMITH, W.
SPE(R)-OBOGS: On-board oxygen generating system
p 472 N95-30267
SMOLANDER, J.
Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903
SNELL, GREG I.
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
SNODGRASS, JOAN G.
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602
SNOW, R. J.
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475
SNOW, RODNEY J.
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
SO, R. H.
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700
SO, RICHARD H. Y.
Effects of lags on human operator transfer functions with head-coupled systems
[HTN-95-92912] p 469 A95-91850
SOEI, L. K.
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
SOERIMO, LEIF
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
SOFIA, MICHAEL
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
SOINA, V. S.
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
SOKOLOV, S. A.
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
SOLCOVA, I.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106
SOLDANI, RENZA
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378
SOLOMON, COLIN
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
SOLOMON, IRENE C.
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
SOLYANINA, I. P.
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
SOMMER, DORON D.
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
SOMMER, H.
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
SOMMER, LEEOR Z.
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
SOMPS, CHRIS J.
Biotelemetry implant volume and weight in rats: A pilot study report
[NASA-TM-108812] p 13 N95-10863
SOMPS, CHRISTOPHER J.
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 26 N95-12006
SONG, CHANGCHENG
Mammalian cell cultivation in space
p 27 A95-61564
SONG, CHANGHONG
Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618
SONNENFELD, GERALD
Influence of spaceflight on the production of interleukin-3 and interleukin-6 by rat spleen and thymus cells
[HTN-95-00411] p 322 A95-81928
SONNENFELD, G.
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
Effects of hypergravity on immunologic function
[HTN-95-60848] p 319 A95-78302
SONNENFELD, GERALD
Spaceflight and immune responses of Rhesus monkeys
[NASA-CR-196846] p 29 N95-12941
Cosmos 2229 immunology study (Experiment K-8-07)
[NASA-CR-196984] p 41 N95-13638
Space flight and humoral and cellular immunity of animals p 44 N95-15113
SONOBE, MASAYOSHI
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
Automation and crew time saving in the space experiment p 315 N95-23715
SOPARKAR, G. R.
Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940
SORACE, D.
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
SORKIN, J.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
SORKNESS, RONALD
Effects of airway parasympathetic tone on reponses to intravenous bronchoconstrictor agonists in rats
[HTN-95-70489] p 227 A95-71511
SOROKINA, N. D.
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
SOROKINA, O. G.
Methods and apparatus for in vitro optical action on blood
[HTN-95-61168] p 399 A95-86267
SOSA-PEINADO, A.
Early gene duplication and the origin of biochemical regulation p 133 A95-63882
SOTHERN, ROBERT BRUCE
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
SOTO, M. ANGELICA
Selective mutations in molecular evolution
p 138 A95-63912
SOTO, MARIA ANGELICA
On the nature of mutations in molecular evolution
p 423 A95-88747
SOUERES, PHILIPPE
Set of reachable positions for a car
[BTN-95-EIX95332423426] p 516 A95-95019
SOULE, R. G.
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
SOULIEZ-LARIVIERE, C.
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
SOUMPASIS, D. M.
Potential-of-mean-force description of ionic interactions and structural hydration in biomolecular systems
[DE95-000859] p 247 N95-21366
SOUZA, K.
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
SOUZA, MARY JANE DE
Clinical tests explain blunted cortisol responsiveness but not mild hypercortisolism in amenorrheic runners
[HTN-95-10126] p 64 A95-61977
SPANARKEL, B.
CO2 crop growth enhancement and toxicity in wheat and rice p 479 A95-93792
SPANGENBERG, D. B.
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
Graviceptor development in jellyfish ephyrae in space and on Earth
[ISBN 0-08-042485-6] p 9 A95-60669
SPAULDING, G.
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules
[ISBN 0-08-042485-6] p 3 A95-60639

SPENCE, CHRIS R.
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats
[HTN-95-A0688] p 293 A95-75257
SPENIK, ADAM G.
Experimental definition for implantation of the AFIT cortical multielectrode array
[AD-A289216] p 386 N95-26991
SPIELMAN, ANDREW
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
SPIERO, F.
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars p 217 A95-66787
SPINELLA, F.
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801
SPINWEBER, CHERYL L.
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations
[NASA-TM-108839] p 33 N95-12792
SPIRE, RAND J.
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609
SPOMER, L. ART
Use of planetary soils within CELSS: The plant viewpoint p 482 A95-93813
SPOONER, B. S.
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659
Liposome formation in microgravity p 412 A95-87507
SPOONER, BRIAN S.
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
Formation and vesiculation of biomembranes during spaceflight
[ISBN 0-08-042485-6] p 4 A95-60645
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653
Microgravity effects on 'postural' muscle activity patterns
[ISBN 0-08-042485-6] p 15 A95-60678
Educational opportunities within the NASA specialized center of research and training in gravitational biology
[ISBN 0-08-042485-6] p 12 A95-60687
SPORRONG, A.
Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904
SPRAGG, ROGER G.
Fractal analysis of surfactant deposition in rabbit lungs
[HTN-95-00418] p 324 A95-81935
SPRIET, L. L.
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
SPRIET, LAWRENCE L.
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
SPRINTZ, SHARON
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288
SRIDHAR, G.
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
SRIDHAR, K. R.
Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355
Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418
SRINIVASAN, M. A.
Tactual interfaces: The human perceiver p 96 N95-14016
Tactile discrimination and representations of texture, shape, and softness p 99 N95-14041
SRINIVASAN, R. SRINI
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901
A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150
SRINVASAN, R. SRINI
Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130
ST. PIERRE, BARBARA A.
Differential response of macrophage subpopulations to soleus muscle reloading after rat hindlimb suspension
[HTN-95-A0612] p 275 A95-74313
STAAB, JEFFERY S.
Ambulatory foot contact monitor to estimate metabolic cost of human locomotion
[HTN-95-10085] p 54 A95-61936
STABENAU, ERICH K.
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
STADEAGER, CARSTEN
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
STADLER, MICHAEL A.
Codes of processing and multiple resources: Model and methodology
[AD-A289583] p 391 N95-26691
Subjective workload assessment in a spatial memory task
[AD-A289491] p 391 N95-26825
STAFFORD, CAROLYN
Life Sciences Division and Center for Human Genome Studies
[DE94-017796] p 248 N95-22065
STAGG, C. H.
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298
STAINSBY, W. N.
Metabolic and work capacity of skeletal muscle of PFK-deficient dogs studied in situ
[HTN-95-50875] p 239 A95-73065
STAINSBY, WENDELL N.
Preload release increases blood flow and decreases fatigue during repetitive isotonic muscles contractions
[HTN-95-70463] p 221 A95-71485
Lactate and acid-base exchange during brief intense contractions of skeletal muscle in situ
[HTN-95-A0607] p 274 A95-74308
STAN-LOTTER, HELGA
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath)
[HTN-94-00465] p 1 A95-60154
On the isolation of halophilic microorganisms from salt deposits of great geological age p 28 N95-11966
STANDAERT, THOMAS A.
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
STANGHELLINI, M. E.
Identification and origin of plant pathogenic microorganisms in recirculating nutrient solutions p 481 A95-93805
STANKIEWICZ, TOM
Redesign of the shuttle Extravehicular Mobility Unit (EMU) hard upper torso to improve overall system safety and reduce component cost
[SAE PAPER 932100] p 460 A95-90344
STANLEY, WILLIAM C.
Exercise training does not compensate for age-related decrease in myocardial GLUT-4 content
[HTN-95-10060] p 48 A95-61911
Exercise training attenuates the reduction in myocardial GLUT-4 in diabetic rats
[HTN-95-21563] p 366 A95-83348
STANNY, R. R.
Test reliability and experimental power
[AD-A279607] p 260 N95-19957
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
STANNY, ROBERT R.
Influence of extended wakefulness on automatic and nonautomatic processing
[HTN-95-20754] p 390 A95-86644
STAPLES, EDWARD D.
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168
STARINK, J. P. P.
Analysis of electron microscope images: 3-D localization of immuno-markers
[PB94-197977] p 41 N95-13990
STARITA, A.
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
STARNES, J. W.
Exercise training improves metabolic response after ischemia in isolated working rat heart
[HTN-95-10080] p 53 A95-61931
STARON, R. S.
Skeletal muscle adaptations during early phase of heavy-resistance training in men and women
[HTN-95-10121] p 63 A95-61972
STARON, ROBERT S.
Effects of sprint cycle training on human skeletal muscle
[HTN-95-50864] p 236 A95-73054
STASSINOPOULOS, E. G.
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
STATHIS, C. G.
Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937
Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475
STATHIS, CHRISTOS G.
Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142
STAUBER, W. T.
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
STAWORN, D.
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity
[HTN-95-00437] p 329 A95-81954
STECHER, K. H.
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
STEELE, JOHN
Condensing heat exchanger microbial growth and control study-phase 2
[SAE PAPER 932107] p 461 A95-90350
STEELE, ROBERT
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398
STEFANEANU, LUCIA
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
STEFANIDIS, CONSTANTIN
Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333
STEFANOVICH, N. E.
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix
[HTN-95-41642] p 357 A95-78737
STEFFEN, CATHY
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
STEFFES, PAUL G.
Search for extraterrestrial intelligence/High Resolution Microwave Survey team member
[NASA-CR-196478] p 39 N95-13026
STEGEMANN, J.
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
STEGMANN, B. J.
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
STEHNEY, A. F.
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20074
STEIN, EARL S.
Tracking the visual scan of air traffic controllers p 522 A95-95166
Human factors at the FAA Technical Center: Bibliography
[AD-A288638] p 525 N95-31399
A psychologist's view of validating aviation systems p 540 N95-34767

STEIN, T. P.
Protein requirements for long term missions p 488 A95-93778
STEINMAN, ROBERT M.
Coordinated action in 3-D space
[AD-A261284] p 35 N95-13375
STEINMANN, L.
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
STELLY, JOHN W.
Validating the impact of maintenance CRM training p 500 A95-95118
STEPANOVA, V. YU.
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
STEPHENS, J. R.
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
STEPHENSON, LOU A.
Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809
STERENBORG, H. J. C. M.
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
STERENBORG, HENRICUS J. C. M.
Continuous pneumothorax monitoring by remittance measurement
[BTN-94-EIX94421282946] p 348 A95-78957
STERMAN, M. B.
Measurement and modification of the EEG and related behavior p 99 N95-14038
STERN, C.
Self-tonometry under microgravity conditions
[HTN-95-92915] p 445 A95-91853
STERN, J. A.
Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
STERN, JOHN A.
Blink rate: A possible measure of fatigue
[HTN-95-B0073] p 377 A95-85889
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
STERN, MICHAEL D.
Two-fiber laser Doppler velocimetry in blood: Monte Carlo simulation in three dimensions
[BTN-94-EIX94421282949] p 348 A95-78959
STERN, ROBERT M.
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
STERNBERG, R
Thermally unstable polyynes and N-organics of planetological interest: New laboratory data and implications for their detection by in situ and remote sensing techniques p 405 A95-85016
STERNBERG, R.
The low temperature organic chemistry of Titan's geofluid p 218 A95-66796
STETTER, KARL O.
Can hyperthermophilic procaryotes tell us anything about the primitive earth? p 139 A95-63917
STEVENS, ERIC E.
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
STEVENS, W. H. M.
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
STEVENSON, EDITH T.
Maximal aerobic capacity and total blood volume in highly trained middle-aged and older female endurance athletes
[HTN-95-A0643] p 283 A95-74344
STEVENSON, J.
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
STEWART, JAIMEE
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
STEWART, JULIAN M.
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
STEWART, SUSAN
Factors in human-computer interface design (a pilot study)
[AD-A288908] p 402 N95-27195
STEYER, J.-PH.
Qualitative reasoning methods for CELSS modeling p 515 A95-93796
STIFF, JAN
Natural scene templates as cueing devices p 520 A95-95082
STILL, D. L.
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
STINN, J. L.
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
STOCK, THOMAS A.
Development and computer implementation of design/analysis techniques for multilayered composite structures. Probabilistic fiber composite micromechanics
[NASA-CR-198979] p 524 N95-31134
STOCKUS, A.
Basic assumptions and comparison of three gravitropic response models
[ISBN 0-08-042485-6] p 5 A95-60650
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
Action of gravireceptors: Lability hypothesis and model p 410 A95-87498
STODIECK, L.
Plant-module for autonomous space-support (p-mass). p 476 A95-93766
STODIECK, L. S.
Four educational programs in Space Life Sciences
[ISBN 0-08-042485-6] p 12 A95-60688
STODIECK, LOUIS S.
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
STOK, WIM J.
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15106
STOKLOSA, J. H.
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
STOLARSKI, DAVID J.
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789
STOLIAROV, NIKOLAI
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
STOLL, U.
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
STONE, ERIC A.
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472
STONE, P.
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
STONE, ROBERT J.
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
STOTT, J. R. R.
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
STOTTS, RICHARD R.
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
STOUCH, TERRY R.
Supercomputing studies of biomembranes
[HTN-95-92294] p 376 A95-85338
STRAIGHT, CHRISTIAN L.
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1
[NASA-TM-108836] p 13 N95-10826
STRANGWARD, I. K.
Cellular manufacturing - design and implementation [CONGRESS PAPER C428-14-202] p 469 A95-91708
STRATTON, D. M.
Exobiology experiments for Earth-orbital platforms p 185 A95-63891
Exobiology research on Space Station Freedom p 215 A95-66768
STRATTON, JOHN R.
Beta-adrengeric effects on left ventricular filling: Influence of aging and exercise training
[HTN-95-70480] p 225 A95-71502
STRATTON, MICHAEL D.
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
STRAUCH, K.
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I p 404 A95-83983
STRAUSS, ALVIN M.
Predicting skeletal adaptation in altered gravity environments
[HTN-95-90826] p 250 A95-71341
Design and structural analysis of highly mobile space suits and gloves
[BTN-95-EIX95182617479] p 313 A95-75750
STRAUSS, H. WILLIAM
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
STRAYER, R. F.
Dynamics of microorganism populations in recirculating nutrient solutions p 481 A95-93806
STRAZZULLA, G.
Ion irradiation of organic and biological materials p 111 A95-63781
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801
STREECH, NEIL D.
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339
STREET, D. R., JR.
Computer-based psychomotor tests in optimal training track assignment of student naval aviators
[AD-A263720] p 175 N95-18414
STREET, DAVID R., JR.
Personality tests in an enhanced pilot selection model p 498 A95-95102
STREIBEL, T.
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
STRETZKE, E.
C.E.B.A.S. mini module: Test results of an artificial (man-made) aquatic ecosystem p 477 A95-93771
STRIDDE, C.
Biochemical constraints for survival under martian conditions p 192 A95-66778
ERA-experiment 'space biochemistry' p 404 A95-83984
STRIDDE, CHRISTINE
The stability of DNA in extreme dryness p 135 A95-66894
STRIEPE, SCOTT A.
Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EIX95032453043] p 209 A95-68268
STRINGER, WILLIAM
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
STRITTMATTER, ROLF
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
STRITZEL, RONDA
P6 acupressure reduces symptoms of vection-induced motion sickness
[HTN-95-12203] p 446 A95-91903
STROBEL, G.
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
STUART, B. C.
Plasma mediated ablation of biological tissues with ultrashort laser pulses
[DE95-011748] p 530 N95-33654
STUART, DOUGLAS G.
Reduced motor unit activation of muscle spindles and tendon organs in the immobilized cat hindlimb
[HTN-95-00423] p 325 A95-81940
STUART, MARK A.
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627

STUCKWISCH, SUE
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
STUHMILLER, JAMES H.
Health hazards assessment for blast overpressure exposures
[AD-A283352] p 158 N95-17998
STUPAKOV, G. P.
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056
STURE, S.
Design and construction of shielded lunar outpost
[BTN-95-EIX95032452328] p 213 A95-68265
STUREK, M.
Exercise training alters the Ca(2+) and contractile responses of coronary arteries to endothelin
[HTN-95-00441] p 330 A95-81958
STYF, J.
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744
SU, HUICI
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625
SUARD, ISABELLE
Isometric relaxation of isolated diaphragm muscle: Influence of load, length, time, and stimulation
[HTN-95-10078] p 52 A95-61929
Mechanics of human quadriceps muscle
[HTN-95-A0652] p 285 A95-74353
SUAREZ, E. M.
The need for a basic psychological curriculum to augment CRM training p 503 A95-95145
SUDANO, JOHN J.
Minimizing human-machine interface failures in high risk systems
[BTN-95-EIX95042474623] p 213 A95-68277
SUDOH, MASAMICHI
Hormonal changes on rat under the hypergravity exposure p 362 A95-82609
SUEDA, K.
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
SUEDA, KAORI
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
SUETSUGU, R. YASUSHI
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510
SUGAHARA, KOHJI
A sliding mode control for two-link flexible manipulator p 394 A95-82463
SUGAWARA, SATOKO
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
SUGENOYA, JUNICHI
Sweating response to simulated weightlessness p 441 A95-88585
SUGIMOTO, EIZO
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
SUGIMOTO, F.
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942
SUGIURA, MASATOSHI
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
SUGIYAMA, YOSHIKI
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
SUGUIHARA, CLEIDE
Effect of dopamine on hypoxic ventilatory response of sedated piglets with intact and denervated carotid bodies
[HTN-95-A0611] p 275 A95-74312
SUH, Y. S.
Hemodynamic responses to passive body tilts p 86 N95-15096
SUKANYA, P.
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation p 176 N95-15984
SUKHAREV, M. F.
Compact holographic apparatus for stomatology
[HTN-95-61170] p 399 A95-86269
SUKI, BELA
Serial distribution of airway mechanical properties in dogs: Effects of histamine
[HTN-95-A0110] p 197 A95-68893
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
Airway geometry and wall mechanical properties estimated from subglottal input impedance in humans
[HTN-95-A0626] p 279 A95-74327
SULC, J.
Medication in the course of active flying duty p 168 N95-19443
SULLIVAN, COLIN E.
Ventilatory response to isocapnic hyperoxia
[HTN-95-91914] p 343 A95-82016
SULLIVAN, MARTIN J.
Skeletal muscle pH assessed by biochemical and P-31-MRS methods during exercise and recovery in men
[HTN-95-50852] p 234 A95-73042
SULLIVAN, MARYROSE P.
Cisternal Na(+) transport inhibition and the ventilatory response to CO2
[HTN-95-70465] p 222 A95-71487
SUMAN, OSCAR E.
Hypoxic effects on exercise-induced diaphragmatic fatigue in normal healthy humans
[HTN-95-21564] p 366 A95-83349
SUMIDA, KEN D.
Endurance training fails to inhibit skeletal muscle glucose uptake during exercise
[HTN-95-70074] p 75 A95-62516
SUMMERS, DAVID P.
Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite p 106 A95-63757
SUMMERS, R. W.
Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunum
[HTN-95-A0696] p 295 A95-75265
SUN, B.
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320
SUN, DONG
Short-term daily exercise activity enhances endothelial NO synthesis in skeletal muscle arterioles of rats
[HTN-95-70085] p 78 A95-62527
SUN, JIAN
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
SUOMINEN, HARRI
Effects of strength and endurance training on thigh and leg muscle mass and composition in elderly women
[HTN-95-21596] p 374 A95-83381
SUSAK, L.
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
SUSSMAN, HOWARD H.
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
SUTCLIFFE, J. G.
Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851
SUTHERLAND, GRANT R.
Dynamic mutations
[HTN-95-00506] p 375 A95-83386
SUTHERLAND, JOHN D.
Directed evolution of novel biosynthetic pathways to proline p 132 A95-63881
SUTTON, J. R.
Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
SUWA, KUNIO
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
SUZUKI, H.
Changes of endolymphatic pressure in the semicircular canal of pigeon by calorie stimulation
[ISBN 0-08-042485-6] p 11 A95-60679
SUZUKI, HATSUE
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
SUZUKI, HIROYUKI
Effects of lateral tilt on optokinetic nystagmus, afternystagmus, and eye tracking in humans p 384 A95-82603
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans p 438 A95-88571
SUZUKI, M.
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v p 416 A95-88570
SUZUKI, S.
Lunar base CELSS design and analysis p 514 A95-93773
SUZUKI, TAKAHIKO
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
SUZUKI, TAKAO
Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714
SUZUKI, TOSHIYASU
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure
[HTN-95-A0679] p 291 A95-74380
SUZUKI, TSUYOSHI
Automation and crew time saving in the space experiment p 315 N95-23715
SUZUKI, Y.
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
SUZUKI, YOJI
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
SUZUKI, YOSHIHISA
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
SUZUKI, YUKIO
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
SVANBERG, SUNE
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421282962] p 349 A95-78962
SVOBODA, J. V.
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148
Development of electrophysiological measures of GA pilot workload p 507 A95-95178
SWAIN, MICHAEL J.
Qualitative vision and action
[AD-A282697] p 179 N95-16966
SWAN, SCOTT A.
Inflatable rescue device
[NASA-CASE-MSC-22244-1] p 357 N95-25306
SWANSON, THEODORE D.
Moderate temperature control technology for a lunar base
[SAE PAPER 932114] p 462 A95-90355
SWARTLING, T.
Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864
SWEETSER, T. H.
Designing planetary protection into the Mars observer mission p 217 A95-66786
SWENBERG, CHARLES E.
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431

SWENSON, ERIK R.
Diuretic effect of acute hypoxia in humans: Relationship to hypoxic ventilatory responsiveness and renal hormones
[HTN-95-91873] p 333 A95-81975
SWIECKI, ZBIGNIEW
The use of acoustic emission in orthopedics
p 16 N95-10243
SWOAP, STEVEN J.
Interaction of thyroid hormone and functional overload on skeletal muscle isomyosin expression
[HTN-95-A0117] p 199 A95-68900
SYKORA, J.
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106
SYMONS, J. DAVID
Role of angiotensin II in hemodynamic responses to dynamic exercise in miniswine
[HTN-95-21576] p 369 A95-83361
SYREISHCHIKOVA, T. I.
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
SYRISTE, T.
Heparin prevents antigen-induced airway hyperresponsiveness: Interference with IP3-mediated mast cell degranulation?
[HTN-95-60053] p 72 A95-62161
SYSTROM, DAVID M.
Dietary effects on exercising muscle metabolism and performance by P-31-MRS
[HTN-95-A0689] p 293 A95-75258
SYTNIK, K. M.
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
SYTNJANSKAJA, N.
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids
p 410 A95-87501
SZABO, G.
Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820
SZEGLOWSKI, Z.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
SZEMZO, A.
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides p 122 A95-63837
SZILAGYI, T.
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
SZOOR, A.
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
SZOSTAK, JACK W.
Approaches to the selection of an RNA replicase
p 113 A95-63792
SZYMANSKI, LINDA M.
Effects of maximal exercise and venous occlusion on fibrinolytic activity in physically active and inactive men
[HTN-95-50859] p 235 A95-73049

T

TABACCO, M. B.
Optical sensors for monitoring and control of plant growth systems p 478 A95-93787
TABITA, R.
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
TACHI, SUSUMU
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
TACKET, R. L.
Interspecies extrapolations of halocarbon respiratory and tissue kinetics: Applications to predicting toxicity in different species
[AD-A285055] p 252 N95-20485
TADA, JUNICHIRO
Validity of the concept of absorbed dose as a physical quantity
[HTN-95-B0593] p 488 A95-93843
TADROS, ALFRED
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
TAFFORIN, C.
Ethological experiments on human orientation behavior within a three-dimensional space-in microgravity
[ISBN-0-08-042485-6] p 15 A95-60684
TAGARI, P.
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
TAGAYA, E.
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942
TAGGART, WILLIAM R.
Captain upgrade CRM training: A new focus for enhanced flight operations p 501 A95-95122
TAHA, BASEL H.
Respiratory sinus arrhythmia in humans: An obligatory role for vagal feedback from the lungs
[HTN-95-91906] p 341 A95-82008
TAILLADES, J.
Investigations about alpha-aminoacid synthesis under prebiotic conditions p 107 A95-63761
TAIRBEKOV, M. G.
The role of signal systems in cell gravisensitivity
p 411 A95-87502
Physico-chemical characteristics of biomembranes and cell gravisensitivity p 412 A95-87508
TAKABAYASHI, AKIRA
Postural control of fish related to gravity input
p 361 A95-82605
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
Postural control of fish related to gravity input
p 44 N95-15118
TAKADA, KAZUMASA
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
TAKAGI, SADAHARU
Postural control of fish related to gravity input
p 361 A95-82605
Postural control of fish related to gravity input
p 44 N95-15118
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
TAKAGI, YUSUKE
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
TAKAHASHI, KEIJI
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368
TAKALA, TIMO E. S.
Effect of endurance training on atrial natriuretic peptide gene expression in normal and hypertrophied hearts
[HTN-95-10118] p 62 A95-61969
TAKAMATA, AKIRA
Right atrial pressure and ANP release during prolonged exercise in a hot environment
[HTN-95-70075] p 76 A95-62517
TAKAO, MOTOSHI
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
TAKAOKI, MUNEO
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
TAKASE, SACHIKO
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat
p 418 A95-88593
TAKATA, KAZUYUKI
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
TAKEDA, NORIAKI
Effects of anti-emetics on motion sickness of rats
p 416 A95-88575
TAKEOKA, MICHIKO
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
TAKEUCHI, H.
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA
[HTN-95-12208] p 448 A95-91908
TAKEUCHI, SHUJI
Influence to organs by ten weeks tail suspension
p 45 N95-15142
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats
p 45 N95-15143
TAKEUCHI, TORU
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys
p 417 A95-88580
TAKIGUCHI, MAMORU
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure
[HTN-95-A0679] p 291 A95-74380
TAKO, Y.
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
TAKO, YASUHIRO
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system
p 396 A95-82508
TALAN, MARK I.
Effect of exercise on cold tolerance and metabolic heat production in adult and aged C57BL/6J mice
[HTN-95-50871] p 238 A95-73061
TALLEUR, DONALD A.
An incremental transfer study of scene detail and field of view effects on beginning flight training
p 504 A95-95152
The integration of visual simulation in beginning flight training p 504 A95-95154
Scene content, field of view and amount of training in first officer training p 505 A95-95155
TAMAOKI, J.
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase
[HTN-95-10091] p 56 A95-61942
TAMARU, MASAO
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
TAMPONNET, C.
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
Biological life support for manned missions by ESA
p 513 A95-93768
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
TAMURA, Y.
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt
[HTN-95-90033] p 82 A95-62824
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
TAN, HONG-Z.
Manual discrimination of force p 102 N95-14057
TAN, NOBUSUKE
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
TANAKA, K.
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
TANAKA, KEIJI
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
TANAKA, M.
Overwintering in the Antarctica as an analog for long term manned spaceflight
[ISBN-0-08-042485-6] p 15 A95-60686
TANAKA, TSUTOMU
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
TANEMURA, TOSHIHARU
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
TANG, HONG
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
TANGEL, DOUGLAS J.
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015
TANI, A.
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
TANIGAKI, TOSHIMORI
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
TANOFF, GREGG F.
Initial development and validation of a multi-modal model for understanding and treating airsickness
p 489 A95-95137

TAO, MING
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
TARNOPOLSKY, M. A.
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
TARR, MICHAEL J.
How are three-dimensional objects represented in the brain?
[AD-A282367] p 34 N95-11942
Presentations of shape in object recognition and long-term visual memory
[AD-A281336] p 168 N95-16010
TARREL, RICHARD J.
A taxonomy of decision problems on the flight deck
p 495 A95-95068
TASAKA, SADATOMO
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
TASK, H. L.
Design and integration issues of visually-coupled evaluation
[AD-A293521] p 525 N95-31538
TASK, HARRY L.
Visual acuity versus field-of-view and light level for Night Vision Goggles (NVG)
[AD-A284750] p 176 N95-16553
TASKAR, VARSHA
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
TATARA, J. D.
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-106473] p 181 N95-19061
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
TATE, DAVID
Use of the user action notation at the Naval Research Laboratory Human-Computer Interaction Laboratory
[AD-A281680] p 104 N95-15449
TATTERSALL, ANDREW J.
Practical guidelines for workload assessment
p 542 N95-34777
TAUCHER-SCHOLZ, G.
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI)
p 528 N95-32725
TAVOLA, M.
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
TAYLOR, AUBREY E.
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0690] p 294 A95-75259
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
TAYLOR, DEREK V.
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
TAYLOR, GERALD R.
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
TAYLOR, HARRY A., JR.
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320
TAYLOR, HENRY L.
An incremental transfer study of scene detail and field of view effects on beginning flight training
p 504 A95-95152
Scene content, field of view and amount of training in first officer training p 505 A95-95155
TAYLOR, J. ANDREW
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
TAYLOR, J. C.
The effects of Crew Resource Management (CRM) training in airline maintenance: Results following three year's experience
[NASA-CR-196696] p 394 N95-28676
TAYLOR, JAMES C.
Validating the impact of maintenance CRM training
p 500 A95-95118
TAYLOR, JOHN
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
TAYLOR, JOHN A.
Advantage of normalizing force production to myofibrillar protein in skeletal muscle cross-sectional area
[HTN-95-60044] p 70 A95-62152
TAYLOR, LEONARD S.
Deeper-penetrating waves in lossy media
p 424 A95-90934
TAYLOR, NIGEL A. S.
Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847
TAYLOR, RICHARD L. S.
The effects of prolonged weightlessness and reduced gravity environments on human survival
[HTN-95-90827] p 250 A95-71342
TAYLOR, ROBERT M.
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems?
p 542 N95-34776
TAYLOR, ROGER R.
Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359
TAZAWA, R.
Lunar base CELSS design and analysis
p 514 A95-93773
TEEME, L. A.
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
TEETER, RONALD C.
Critical issues for space life sciences
p 436 A95-88559
TEIKARI, VEIKKO
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909
TEIXIDOR, PILAR
Isoprenylglycerol diethers in non-alkaline recent and miocene evaporitic environments p 138 A95-63913
TELFER, ROSS
Some implications of pilots' approaches to learning
p 503 A95-95149
TEMPEL, GEORGE E.
Role of nonenzymatically generated prostanoid, 8-iso-PGF(sub 2 alpha) in pulmonary oxygen toxicity
[HTN-95-70479] p 225 A95-71501
TEMPLEMAN, JAMES
Use of the user action notation at the Naval Research Laboratory Human-Computer Interaction Laboratory
[AD-A281680] p 104 N95-15449
TENFORDE, T. S.
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields
[DE94-015200] p 143 N95-18371
Biological interactions and human health effects of static magnetic fields
[DE95-003147] p 311 N95-24145
Interaction mechanisms and biological effects of static magnetic fields
[DE95-004929] p 347 N95-26169
TENNEY, DUDLEY P.
Air traffic controller resource management
p 506 A95-95167
TENNEY, YVETTE J.
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
TEPAS, DONALD I.
Crew adaptation evaluation of the Norwegian Crew Concept (NOROREW)
[AD-A288478] p 401 N95-27058
TEPPER, R. S.
Effect of transpulmonary pressure on airway closure in immature and mature rabbits
[HTN-95-91890] p 337 A95-81992
TERADA, LANCE S.
Xanthine oxidase promotes neutrophil sequestration but not injury in hyperoxic lungs
[HTN-95-60054] p 73 A95-62162
TERADA, NOBUYUKI
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys
p 417 A95-88580
TERASHIMA, TAKESHI
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
TERASHIMA, YASUSHI
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
TERELAK, JAN
Anxiety and eye-hands-legs coordination in young pilots p 502 A95-95133
TERJUNG, RONALD L.
Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373
TERMIN, B.
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
TERUI, YUSHI
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
TESCH, P.
Skeletal muscle responses to unloading in humans
p 150 N95-16743
TESCH, PER A.
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
TESSIS, ANA CLAUDIA
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468
THACH, BRADLEY T.
Quantifying the potential of infant bedding to limit CO2 dispersal and factors affecting rebreathing in bedding
[HTN-95-91920] p 344 A95-82022
THAGARD, PAUL R.
A cognitive architecture for solving ill-defined problems
[AD-A293582] p 512 N95-31686
THAI, J.
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003
THALMANN, E. D.
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885
THAM, MINGPO
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control
p 521 A95-95094
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base
p 509 A95-95195
THAPAR, KAMAL
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
THEEUWES, J.
Subset-selectivity and distractor matching in visual conjunction search
[AD-A285137] p 170 N95-16615
Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817
Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822
THEODORACATOS, VASSILIOS E.
Occlusion-free monocular three-dimensional vision system
[BTN-95-EIX95292661227] p 443 A95-89826
THERIAULT, GERMAIN
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364
THERIAULT, REMY
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364
THIBAULT, GAETAN
Cardiac and plasma atrial natriuretic peptide after 9-day hindlimb suspension in rats
[HTN-95-60055] p 73 A95-62163
THIBEAULT, DONALD W.
Comparative age-related acute and chronic pulmonary oxygen tolerance in rats
[HTN-95-70477] p 224 A95-71499
THIEDING-CANCEL, D.
Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238
THIEMANN, W.
On the possible paths of optical (photochemical) activation of living matter p 130 A95-63872

Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis
p 131 A95-63877

THIEMENS, MARK H.
Observation of a mass independent oxygen isotopic composition in terrestrial stratospheric CO2, the link to ozone chemistry, and the possible occurrence in the Martian atmosphere
[HTN-95-60618] p 317 A95-76885

THIERY, J.
ECOSIMP2 model: Prediction of CO2 concentration changes and carbon status in closed ecosystems
p 480 A95-93800

THOM, S. R.
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969

THOMAS, JAMES P.
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 368 A95-84375
Handbook of perception and human performance, volume 2. Cognitive processes and performance
[AD-A289587] p 391 N95-26692

THOMAS, JEFF
Residents' reactions to long-term sonic boom exposure: Preliminary results p 94 N95-14892

THOMAS, MARY L.
Test and evaluation of the Impact Instrumentations, Inc. Uni-Vent model 750M ventilator
[AD-A282321] p 470 N95-28792

THOMPSON, B. G.
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769

THOMPSON, B. TAYLOR
Functional and structural changes with hypoxia in pulmonary circulation of spontaneously hypertensive rats
[HTN-95-A0688] p 293 A95-75257

THOMPSON, DIXIE LEE
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963

THOMPSON, JOHN S.
Effect of blood and albumin on pulmonary hypertension and edema in perfused rabbit lungs
[HTN-95-91889] p 337 A95-81991

THOMPSON, L. V.
Role of sarcolemma action potentials and excitability in muscle fatigue
[HTN-95-70081] p 77 A95-62523

THOMPSON, W. R.
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797

THOMPSON, W. REID
Organic aerosols in the atmosphere of Titan
p 183 A95-63754

THOMSEN, S.
Numerical models of photothermal tissue welding processes p 433 A95-87818

THOMSEN, SHARON
Overview of current medical laser applications: Triumphs and failures p 434 A95-87825
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833

THOMSON, SANDRA A.
Acute inhalation of explosively disseminated carbon fibers in rats
[AD-A280556] p 29 N95-12614

THORDSEN, MARVIN
Determining the decision requirements of complex flight crew tasks p 495 A95-95069

THULLIER, PHILIPPE H.
Simulation of cardiovascular response to lower body negative pressure from 0 to -40 mmHg
[HTN-95-A0118] p 199 A95-68901

THURLBECK, WILLIAM M.
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry
[HTN-95-21569] p 367 A95-83354

TIBBITTS, T. W.
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
The astroculture flight experiment series, validating technologies for growing plants in space
p 476 A95-93763
Carbon Dioxide interactions with irradiance and temperature in potatoes p 479 A95-93790
Solid matrix and liquid culture procedures for growth of potatoes p 482 A95-93815
Growth of potatoes for CELSS
[NASA-CR-177646] p 37 N95-11949

TIBBITTS, THEODORE
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228

TIDBALL, JAMES G.
Differential response of macrophage subpopulations to soleus muscle reloading after rat hindlimb suspension
[HTN-95-A0612] p 275 A95-74313

TIEDE, D. M.
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075

TIEN, H. T.
Electrical and electronic properties of self-assembled lipid bilayers
[AD-A290507] p 431 N95-29155

TIETZE, K. J.
Effect of antiorthostatic BedRest (BR) on Gastrointestinal Motility (GIM) of normal subjects
p 153 N95-16753

TIKTINSKY-RUPP, M. H.
Hyperbaric oxygenation increases arousal and breathing movements in fetal lambs
[HTN-95-A0144] p 205 A95-68927

TIKUISIS, PETER
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534

TILLERY, LAURA S.
Managing technological change in a military treatment facility: A case study of medical diagnostic imaging support (MDIS) system
[AD-A294894] p 533 N95-34573

TIMSON, B. F.
Stress protein induction in skeletal muscle: Comparison of laboratory models to naturally occurring hypertrophy
[HTN-95-60035] p 68 A95-62143

TING, K. C.
Systems approach to instrumenting and controlling plant growth systems p 477 A95-93782

TISCHLER, A. C.
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat
p 45 N95-15135

TITTEL, F. K.
Non invasive monitoring of blood oxygenation in the brain of newborns p 435 A95-87834

TITTEL, FRANK K.
Tissue optical properties measured with acoustic transducer p 433 A95-87821
Laser ablation mechanisms for biological tissue: Study with acoustic transducer p 433 A95-87822

TITTIRANONDA, P.
Ergonomic evaluation of the Apple Adjustable Keyboard
[DE95-002393] p 266 N95-21637

TITTLE, JAMES S.
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043

TOCCO, D. R.
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318

TODA, YOSHITSUGU
Satellite retrieving experiment of free flying telerobot
p 395 A95-82471

TODD, P.
Life and gravity: Physiological and morphological responses; Meeting F1.1 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042649-2] p 407 A95-87485
Theories and models on the biological of cells in space p 408 A95-87486

TODD, PAUL
Mechanical analysis of statolith action in roots and rhizoids
[ISBN 0-08-042485-6] p 5 A95-60647
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383

TOGA, HIROHISA
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs
[HTN-95-A0659] p 286 A95-74360

TOHA, JOSE
Selective mutations in molecular evolution
p 138 A95-63912
On the nature of mutations in molecular evolution
p 423 A95-88747

TOLLAKSEN, SANDRA L.
A comperative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771

TOMITA, T.
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla
p 418 A95-88591

TOMIYOSHI, TSUKASA
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606

TOMKO, DAVID L.
Vestibular afferent responses to linear accelerations in the alert squirrel monkey
[NASA-TM-4581] p 28 N95-12006

TOMOIKE, HITONOBU
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters
[HTN-95-21583] p 371 A95-83368

TONG, BELIJN
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616

TOOLE, JENNIFER
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878

TOOTEN, PETER C. J.
Effect of exercise and food restriction on selected markers of the acute phase response in hamsters
[HTN-95-91884] p 336 A95-81986
Effect of voluntary exercise and food restriction in response to lipopolysaccharide in hamsters
[HTN-95-91885] p 336 A95-81987

TORGERSON, WARREN
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376

TORIKOSHI, S.
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women
p 87 N95-15111

TORIKOSHI, SHIGEYO
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134

TORIU, HIDETOSHI
Satellite retrieving experiment of free flying telerobot
p 395 A95-82471
Robot arm system for automatic satellite capture and berthing p 315 N95-23709

TORJUSSEN, TORE
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95096

TORNABENE, T. G.
Lipids of archaebacteria p 140 A95-63924

TORRANCE, SHONA M.
Blood lactate and acid-base balance in graded neonatal hypoxia: Evidence for oxygen-restricted metabolism
[HTN-95-50861] p 236 A95-73051

TORRES, J. H.
Experimental and theoretical analysis of intraluminal laser heating of tissue p 433 A95-87817

TORRES, M. A.
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity
p 380 N95-26729

TOSATTI, LORENZO MOLINARI
Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876

TOSCANO, WILLIAM B.
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts
[NASA-TM-108840] p 83 N95-13661

TOSKA, KARIN
Peripheral vasoconstriction shortly after onset of moderate exercise in humans
[HTN-95-A0728] p 303 A95-75297

TOTH, CYNTHIA A.
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789

TOTH, MICHAEL J.
Contribution of body composition and physical activity to age-related decline in peak dot-VO2 in men and women
[HTN-95-A0120] p 200 A95-68903

TOUCHSTONE, MARK
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530

TOUSSAINT, H. M.
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering
[HTN-95-A0623] p 278 A95-74324

TOUW, T. VAN DER
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918

TOWNSEND, LAWRENCE W.
HZE reactions and data-base development
p 350 A95-81444
TRAN, VU
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
TRANQUILLE, N.
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
TRAON, A. PAVY-LE
The use of medicaments in space-therapeutic measures and potential impact of pharmacokinetics due to weightlessness
[HTN-95-61017] p 350 A95-81789
TRAPPE, SCOTT W.
Skeletal muscle characteristics among distance runners: A 20-yr follow-up study
[HTN-95-00413] p 323 A95-81930
TRAVE-MASSUYES, L.
Qualitative reasoning methods for CELSS modeling
p 515 A95-93798
TRAVIS, S. P. L.
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
TRAWEEK, M. S.
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061
TREDICI, THOMAS J.
Color vision issues in modern military aviation or the search for the Abominable Coneman
p 167 N95-19441
TREJO, LEONARD J.
Event-related potentials and electroencephalograms in adaptive operator training: Rationale and annotated bibliography
[AD-A294337] p 534 N95-34356
TREMOR, J.
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
TRENT, L. K.
Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238
TREUTH, M. S.
Effects of strength training on total and regional body composition in older men
[HTN-95-A0116] p 199 A95-68899
Effects of strength training on bone mineral density: Hormonal and bone turnover relationships
[HTN-95-A0641] p 283 A95-74342
TREUTH, MARAGARITA S.
Strength training increases insulin action in healthy 50- to 65-yr-old men
[HTN-95-A0691] p 294 A95-75260
TRIMPOP, RUEDIGER M.
Psychological aspects of risk taking in extreme environments p 21 N95-11622
TRINDER, JOHN
Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947
TRIPATHY, SUKANT K.
Intelligent materials properties of DNA and strategies for its incorporation into electroactive polymeric thin film systems
[BTN-94-EIX94501433007] p 195 A95-67426
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754
TRIPLETT, N. T.
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
TRIPLETT, N. TRAVIS
Compatibility of high-intensity strength and endurance training on hormonal and skeletal muscle adaptations
[HTN-95-00431] p 327 A95-81948
TRIPP, LLOYD D., JR.
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360
TRISTANI, FELIX E.
Effect of aerobic training on baroreflex regulation of cardiac and sympathetic function
[HTN-95-10055] p 46 A95-61906
TRIVEDI, A.
Radiation: What determines the risk?
p 350 A95-81450
TROFIMOV, V. I.
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
Modern aspects of planetary protection and requirements to sterilization of space hardware
p 216 A95-66785
The experimental study of microbial contamination of the space hardware p 217 A95-66788
TRONE, DANIEL W.
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
TROSKO, JAMES E.
The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378
TROTMAN, A. A.
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
TROUP, JOHN
Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989
TRUBACHEV, I. N.
Food strategy in biotechnical life-support systems
[SAE PAPER 932168] p 465 A95-90403
TRUMBLE, DENNIS R.
Ergometric studies of untrained skeletal muscle demonstrate feasibility of muscle-powered cardiac assistance
[HTN-95-A0681] p 291 A95-74382
TRUMBLE, G. E.
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
TRUNKEY, DONALD D.
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
TRUSCOTT, T. GEORGE
Photobiology in medicine
[AD-A284843] p 210 N95-19695
TSAI, KENNETH C.
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
TSANG, PAMELA S.
The roles of immediacy and redundancy in relative subjective workload assessment
[HTN-95-B0067] p 389 A95-85883
Subjective workload profile p 507 A95-95175
TSAR'KOVA, S. I.
Digital glucosimeter-polarimeter for measuring the optical activity of solutions
[HTN-95-61167] p 399 A95-86266
TSCHIRCH, RICHARD P.
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
TSCHOPP, JOANNE M.
Scene content, field of view and amount of training in first officer training p 505 A95-95155
TSUCHIYA, M.
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
TSUCHIYA, MASAHIKO
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions
p 109 A95-63768
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
TSUI, B. M. W.
Scatter model for parallel and converging beam SPECT based on the Klein-Nishina formula
[BTN-95-EIX95332424668] p 483 A95-94881
TSUKADA, HIROSHI
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
TSUKAGOSHI, HIDEO
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
TSUKANO, YUKICHI
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
TSUZAKI, KOICHI
Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction
[HTN-95-91909] p 342 A95-82011
TUCHIN, VALERY V.
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524
TUCHKOVA, S. YA.
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
TUCKER, ALAN
Calcitonin gene-related peptide modulates pulmonary vascular reactivity in isolated rat lungs
[HTN-95-A0597] p 272 A95-74298
TUCKER, J.
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
TUL'SKII, S. A.
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
TULLSON, PETER C.
Increased peak oxygen consumption of trained muscle requires increased electron flux capacity
[HTN-95-A0672] p 290 A95-74373
IMP metabolism in human skeletal muscle after exhaustive exercise
[HTN-95-21572] p 368 A95-83357
TULLY, A.
Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984
TUMER, NIHAL
Influence of exercise training on myocardial beta-adrenergic signal transduction: Differential regulation with age
[HTN-95-A0128] p 202 A95-68911
TUOMALA, B.
Sarcoidosis in US military aviators
p 166 N95-19438
TURANO, KATHLEEN
Visual psychophysics of egomotion
[AD-A282547] p 35 N95-12495
TURCOTTE, LORRAINE P.
Impaired plasma FFA oxidation imposed by extreme CHO deficiency in contracting rat skeletal muscle
[HTN-95-A0105] p 196 A95-68888
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020
TURI, L.
Experimental investigation of picosecond optical breakdown in water and biological tissues
p 433 A95-87820
TURKINGTON, T. G.
Quantitative SPECT brain imaging: Effects of attenuation and detector response
[BTN-94-EIX94361133479] p 209 A95-65976
TURKINGTON, TIMOTHY G.
Evaluation of post-injection transmission measurement in PET
[BTN-95-EIX95332424659] p 484 A95-94888
TURNER, ARIC D.
Performance assessment and workoad evaluation system (PAWES): A process and tool to evaluate cockpit design during flight test p 507 A95-95177
TURNER, RUSSELL T.
Effects of short-term spaceflight and recombinant human growth hormone (rhGH) on bone growth in young rats
[HTN-95-01214] p 426 A95-91446
Spaceflight results in depressed cancellous bone formation in rat humeri
[HTN-95-01215] p 426 A95-91447
TWEED, D.
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
TYBERG, JOHN V.
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
TYHURST, R. W.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
TZELEPIS, GEORGE E.
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915

U

UBBELS, G. A.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
UBBELS, GEERTJE A.
Xenopus laevis embryos can establish their spatial bilateral symmetrical body pattern without gravity
[ISBN 0-08-042485-6] p 8 A95-60662

UBERBACHER, E. C.
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
UCHIDA, T.
Lunar base CELSS design and analysis
p 514 A95-93773
UCHIYAMA, KENJI
A sliding mode control for two-link flexible manipulator
p 394 A95-82463
UCHIYAMA, TAKASHI
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
UDAYRAJ, B.
Biochemical markers in Precambrian sediments - Indian subcontinent p 128 A95-63863
UDDEN, MARK M.
Blood volume and erythropoiesis in the rat during spaceflight
[HTN-95-92913] p 428 A95-91851
UEDA, J.
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62822
UEDA, K.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
UEDA, TAKASHI
Exogenous surfactant function in very preterm lambs with and without fetal corticosteroid treatment
[HTN-95-00428] p 326 A95-81945
UEDA, TAKUYA
The evolutionary change of the genetic code as restricted by the anticodon and identity of transfer RNA
[HTN-95-A0483] p 231 A95-72554
UEMURA, OSAMU
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365
UENOHARA, MICHIHIRO
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
ULLMAN, M. A.
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory
p 356 A95-80397
ULLRICH, B.
Self-replicating oligonucleotides p 119 A95-63822
ULLUM, HENRIK
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
ULTMAN, JAMES S.
Longitudinal distribution of ozone absorption in the lung: Effects of respiratory flow
[HTN-95-A0112] p 198 A95-68895
Longitudinal distribution of ozone absorption in the lung: Comparison of nasal and oral quiet breathing
[HTN-95-70486] p 227 A95-71508
UMBARGER, K. O.
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
UMEDA, ITARU
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-80368
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-80404
UMEK, ANDREJA
Simple model for human arm reachable workspace
[BTN-94-EIX94522407598] p 535 A95-86246
UNCLES, D. R.
Sites of vasodilation by inhaled nitric oxide vs. sodium nitroprusside in endothelin-constricted isolated rat lungs
[HTN-95-A0588] p 270 A95-74289
UNDERHILL, K.
Automated volumetric grid generation for finite element modeling of human hand joints
[DE95-009575] p 494 N95-32097
UNGER, EVAN C.
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
UPDEGROVE, JOHN D.
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495
URANO, TETSUYA
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
URIBE, JORGE
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900
URSIN, HOLGER
Interpersonal relations during simulated space missions
[HTN-95-12201] p 455 A95-91901
USA, TOSHIRO
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess
p 418 A95-88592
USAMI, RON
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
USHAKOV, ILYA
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
USTAD, A. L.
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
Effect of oxygen and decompression bubbles on inert gas washout
[PB95-196556] p 487 N95-30665
USUI, KENJI
Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614
UTECHT, R. E.
Photochemical cross-linking of proteins: Potential for tissue welding without heat p 434 A95-87827
UTTAL, WILLIAM R.
Psychophysical foundations of a model of amplified night vision in target detection tasks
[HTN-95-B0086] p 389 A95-85882
UTTERBACK, DAVID B.
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168
UTTS, S. R.
Laser fluorescence spectroscopy of human skin in vivo: the effect of erythema
[BTN-94-EIX94441385677] p 531 A95-86595
UTZ, SERGEI R.
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524
UZZO, STEPHEN MILES
Light and imaging in extreme environments
p 21 N95-11631

V

VACCHIANO, CHARLES A.
Role of nonenzymatically generated prostanoid, 8-iso-PGF(sub 2 alpha) in pulmonary oxygen toxicity
[HTN-95-70479] p 225 A95-71501
VACHIERY, JEAN-LUC
Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330
VAERNES, RAGNAR
Interpersonal relations during simulated space missions
[HTN-95-12201] p 455 A95-91901
VAITKUS, MARK A.
Psychosocial stress and mental health in a forward-deployed military community
[AD-A285940] p 263 N95-22323
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324
VALENTIN, JACK
Radiation in everyday life
[DE95-604111] p 379 N95-26597
VALENTINE, DAVID E.
Effect of long-term undernutrition on male and female rat diaphragm contractility, fatigue, and fiber types
[HTN-95-10079] p 52 A95-61930
VALETON, J. M.
Target acquisition: Human observer performance studies and TARGAC model validation
[AD-A284436] p 95 N95-15816
VALIND, S. O.
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
VALIND, SVEN L.
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
VALK, PIERRE
On-board crew-rest facilities p 522 A95-95134
VALK, PIERRE J. L.
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
VAN BAAK, M. A.
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
VAN BAAK, M. A.
Effect of glucose infusion on endurance performance after beta-adrenoceptor blocker administration
[HTN-95-A0119] p 200 A95-68902
VAN BLANKENSTEIN, J. H.
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
VAN BORSELEN, F.
Catecholamine responses to short-term high-intensity resistance exercise overtraining
[HTN-95-A0147] p 206 A95-68930
VAN DE WOESTIJNE, K. P.
Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs
[HTN-95-A0662] p 287 A95-74363
VAN DER GRINTEN, P. M.
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans
[HTN-95-A0701] p 296 A95-75270
VAN DER HOEVEN, J. H.
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle
[HTN-95-A0133] p 203 A95-68916
VAN DER TOUW, T.
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
VAN DER VUSSE, G. J.
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
VAN ECHTELD, C. J. A.
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner
[HTN-95-A0154] p 208 A95-68937
VAN INGEN SCHENAU, G. J.
Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects
[HTN-95-50860] p 236 A95-73050
VAN KORDELAAR, E.
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise
[HTN-95-21592] p 373 A95-83377
VAN LIEW, HUGH D.
Oxygen transport to tissue by persistent bubbles: Theory and simulations
[HTN-95-70493] p 228 A95-71515
VAN LOON, J. J. W. A.
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
VAN MEURS, KRISA
Inhaled nitric oxide does not alter the longitudinal distribution of pulmonary vascular resistance
[HTN-95-21597] p 374 A95-83382
VAN MUYLEM, A.
Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950
VAN ORDEN, A.
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-86754
VAN SOEST, P. J.
Effect of increasing work rate on metabolic responses of the donkey (Equus asinus)
[HTN-95-A0719] p 301 A95-75288
VAN TWEST, JACQUELINE S.
Formation and vesiculation of biomembranes during spaceflight
[ISBN 0-08-042485-6] p 4 A95-60645
VAN VILSTEREN, M.
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
VAN ZANTEN, BRIMO O. A. VELDHUIJZEN
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
VANCAUTER, EVE
Phase-shifting effects of light and activity on the human circadian clock
[AD-A281204] p 156 N95-16796

Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A286433] p 365 N95-26779
VANDENBERG, G. J.
Copper metabolism in rats fed ascorbic acid or restricted amounts of copper
[PB94-191343] p 28 N95-11902
VANDENBOSCH, P.
The way to waivers in the BAF p 161 N95-19415
VANDENPOL, ANTHONY N.
Cellular interactions in the suprachiasmatic nucleus
[AD-A285639] p 311 N95-23780
VANDER VUSSE, G. J.
Adaptation and overtraining in horses subjected to increasing training loads
[HTN-95-70076] p 76 A95-62518
VANDERLOOS, MACHIEL
Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044
VANDERMEER, THOMAS J.
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
VANDERPLOEG, C. P. B.
Intramyocardial blood volume and oxygen exchange
[PB95-108015] p 256 N95-21580
VANDERPOORTEN, CHRIS
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
VANDERSTRAETEN, PAUL
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
VANGEMERT, MARTIN J. C.
Continuous pneumothorax monitoring by remittance measurement
[BTN-94-EIX94421282946] p 348 A95-78957
VANOYE, CARLOS G.
Roles of intra- and extracellular carbonic anhydrase in alveolar-capillary CO2 equilibration
[HTN-95-A0124] p 201 A95-68907
VANOYE, CHRISTI R.
Effect of hypercapnia on laryngeal airway resistance in normal adult humans
[HTN-95-70473] p 223 A95-71495
VANRHOON, G. C.
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating
[PB94-206885] p 254 N95-21016
VANRIJN, A. C. M.
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
VARTIAINEN, MATTI
Change, Learning and Mental Work in Organizations: Working papers of the 3rd Otaniemi-Dresden Workshop
[PB95-184941] p 392 N95-26909
VASHISTA, A. C.
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075
VASILENKO, A.
Energetic metabolism response in algae and higher plant species from simulation experiments with the clinostat p 410 A95-87500
VASILYIEV, V. K.
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
VASIN, V. B.
The experimental study of microbial contamination of the space hardware p 217 A95-66788
VASQUES, M.
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
VASTESAEGER, J. P.
The way to waivers in the BAF p 161 N95-19415
VAULINA, E. N.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933
VDOVYKIN, G. P.
Possible presence of unsaturated hydrocarbon gases in comet nuclei and their role in the origin of life p 186 A95-63923
VEDAL, S.
Determinants of airway smooth muscle shortening in exised canine lobes
[HTN-95-91902] p 340 A95-82004
VEEN, ARNOLD
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884
VEESLER, STEPHANE
Solubility and prenucleation of aprotinin (BPTI) molecules in sodium chloride solutions
[BTN-95-EIX95122539066] p 320 A95-79141
VEGA, DIEGO L.
Lung volume specificity of inspiratory muscle training
[HTN-95-A0131] p 202 A95-68914
Pressure-flow specificity of inspiratory muscle training
[HTN-95-A0132] p 203 A95-68915
VEICSTEINAS, ARSENIO
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
VEINOTT, ELIZABETH S.
Analysis of communication in the standard versus automated aircraft p 501 A95-95127
VELAMAZAN, V.
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
VELAMAZAN, VICENTE
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
VELAMAZANPERDOMO, V.
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
VELASCO, CARLOS
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
VELAZQUEZ, VELMA L.
Subjective workload profile p 507 A95-95175
VELDHUIJZEN, J. P.
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
VENEGAS, JOSE G.
Analyzing (13)NN lung washout curves in the presence of intraregional nonuniformities
[HTN-95-60059] p 74 A95-62167
Ventilation distribution and regional lung impedance during partial unilateral bronchial obstruction
[HTN-95-91909] p 342 A95-82011
VENERI, R.
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
VENTILA, MARKKU
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
VERBANCK, SYLVIA
Theoretical basis for time 0 correction in the rebreathing analysis
[HTN-95-10068] p 50 A95-61919
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes
[HTN-95-60056] p 73 A95-62164
VERBEKEN, E. K.
Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs
[HTN-95-A0662] p 287 A95-74363
VERBURGT, L.
Determinants of airway smooth muscle shortening in exised canine lobes
[HTN-95-91902] p 340 A95-82004
VERBURGT, LORRAINE
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
VERDOUW, P. D.
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism
[HTN-95-A0665] p 288 A95-74366
VERGNE, JACQUES
Catalytic studies of biomimetic molecular systems and origin of life p 116 A95-63807
VERITER, CLAUDE
Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166
VERKERK, A.
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity p 432 A95-87488
VERKRUYSSE, WIM
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains
[BTN-94-EIX94421282938] p 348 A95-78952
VERNALIS, M. N.
Central hemodynamics in a baboon model during microgravity induced by parabolic flight
[ISBN 0-08-042485-6] p 10 A95-60673
VERNALIS, MARIANA N.
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
VERNALIS, MARINA N.
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight p 42 N95-15094
VERNIKOS, J.
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Artificial gravity: How much, how often, how long? p 178 N95-16778
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
VERNIKOS, JOAN
Catecholaminergic effects of prolonged head-down bed rests
[HTN-95-00436] p 328 A95-81953
VERONA, ROBERT W.
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
VERONNEAU, STEPHEN
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
VERONNEAU, STEPHEN J. H.
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
VERWEIJ, W. T. P.
Netherlands Institute for Brain Research progress report, 1993
[PB95-135398] p 255 N95-21352
VERWEY, W. B.
On producing sequential movements and actions. An integrative review and an update of the generalized motor program
[AD-A286628] p 357 N95-25610
VESTAL, ROBERT E.
Streptococcus pneumoniae-induced pulmonary hypertension and systemic hypotension in anesthetized sheep
[HTN-95-50894] p 243 A95-73084
VESTERGAARD, HENRIK
Human and rodent muscle Na(+)-K(+)-ATPase in diabetes related to insulin, starvation, and training
[HTN-95-70089] p 79 A95-62531
VESTERGARD, B.
Establishing and maintaining specific pathogen free (SPF) conditions in aqueous solutions using ozone p 482 A95-93810
VETTER, S.
Behavioural and biochemical investigations of the influence of altered gravity on the CNS of aquatic vertebrates during ontogeny
[ISBN 0-08-042485-6] p 9 A95-60668
VIAGGI, F.
TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
VICAUT, ERIC
Nitric oxide-independent response to acetylcholine by terminal arterioles in rat cremaster muscle
[HTN-95-A0106] p 196 A95-68889
VICTOR, RONALD G.
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978
VIDULICH, MICHAEL
Situation awareness: Papers and annotated bibliography
[AD-A284752] p 173 N95-18084
VIDULICH, MICHAEL A.
Use of workload redlines: A KC-135 crew-reduction application
[HTN-95-90717] p 211 A95-69744
The roles of immediacy and redundancy in relative subjective workload assessment
[HTN-95-B0067] p 389 A95-85883

An examination of a subjective situational awareness measure during training on a tactical operations simulator p 508 A95-95182
Developing subjective and objective metrics of pilot situation awareness p 508 A95-95183
VIERSTRA, RICHARD D.
Analysis of structural domains required for phytochrome function by in vitro mutagenesis
[DE94-016230] p 307 N95-22884
VIEYRA, ADALBERTO
Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467
Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468
VIHKO, VEIKKO
Running-induced muscle injury and myocellular enzyme release in rats
[HTN-95-50872] p 238 A95-73062
VIJAYAKUMAR, S.
Recent investigations on a primitive tRNA model p 118 A95-63818
VIJVERBERG, H.
Numerical models of photothermal tissue welding processes p 433 A95-87818
VIK, A.
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515
VILADKAR, SUSHAMA
Oxidation of aniline on the metal ferrocyanides p 112 A95-63787
Copper complexes: Model for early enzymes p 122 A95-63838
VILLENEUVE, P. E.
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
VILLORESI, G.
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization
[HTN-95-60524] p 195 A95-68775
VINCENT, PETER A.
Isoproterenol decreases protein permeability in edematous isolated rabbit lungs: Estimation of PS and sigma
[HTN-95-A0617] p 277 A95-74318
VINOKHODOVA, A. G.
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
VIROLAINEN, JUHA
Atrial septal defect blunts the impairment of left ventricular function during the Mueller maneuver
[HTN-95-A0675] p 290 A95-74376
VIRU, ATKO
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154
VIRU, MEHIS
Glucocorticoids in metabolic control during exercise: Alanine metabolism
[HTN-95-60046] p 71 A95-62154
VISNESKI, MARK D.
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
VISO, M.
Comparison of the effects of spaceflight and hindlimb-suspension on rat pituitary vasopressin and brainstem norepinephrine content
[ISBN 0-08-042485-6] p 10 A95-60675
VISSCHER, J.
Polypeptide-assisted oligomerization of nucleotide analogs p 114 A95-63801
Is ligation the only solution to the pyrophosphate problem?
[HTN-95-A0480] p 231 A95-72551
VISSCHER, JOHNNY
Oligomerization of a nucleotide analog related to barbituric acid p 115 A95-63804
VISSER, P.
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity p 432 A95-87488
VITALIS, A.
Predicting heart rate response to various metabolic rates, environments, and clothing
[HTN-95-21594] p 373 A95-83379
VLESSIS, ANGELO A.
Role of reactive O2 in phagocyte-induced hypermetabolism and pulmonary injury
[HTN-95-21567] p 367 A95-83352
VLIET, MICHIEL J. VAN
Oligomerization of a nucleotide analog related to barbituric acid p 115 A95-63804
VOECKS, GERALD
Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
VOGEL, ERIC
Situation awareness: Papers and annotated bibliography
[AD-A284752] p 173 N95-18084
VOGEL, JAMES A.
Lower limit of body fat in healthy active men
[HTN-95-A0146] p 206 A95-68929
VOGEL, JOSEPH L.
High-altitude physiology training p 490 A95-95140
VOGEL, K.
Protozoa as model systems for the study of cellular responses to altered gravity conditions
[ISBN 0-08-042485-6] p 2 A95-60637
VOGT, GREGORY L.
Suited for spacewalking: Teacher's guide with activities for physical and life science
[NASA-EG-101] p 96 N95-13888
VOLGYESI, GEORGE
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
VOLKRINGER, NICHOLAS L.
Ergonomics in laser system design p 458 A95-87846
VON BAUMGARTEN, R.
Graded change of forces on the otoliths as a tool to investigate equilibrium in man p 439 A95-88574
VON BAUMGARTEN, RUDOLF
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment p 437 A95-88562
VON WITTKE, P.
Effects of training on blood lactate-running speed relationship in thoroughbred racehorses
[HTN-95-A0613] p 276 A95-74314
VONMONT-BACHMANN, P. A.
Chemical autopoiesis: Self-replicating micelles and vesicles p 124 A95-63846
VOROBIOVA, E. A.
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
VOROBJEV, O. A.
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
VOROBYEVA, T. V.
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
VOROS, ROBERT S.
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715
Age 60 study. Part 3: Consolidated database experiments
[AD-A286247] p 161 N95-19384
VORTAC, O. U.
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24068
VOS, NETTY H.
Effect of acid-base balance on the growth hormone response to acute high-intensity cycle exercise
[HTN-95-60040] p 69 A95-62148
VOYLES, RICHARD M., JR.
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884
VREEKE, MARK S.
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin
[AD-A290439] p 487 N95-30452
VRIJKOTTE, T. G.
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
VU, THANH H.
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272

W

WAAG, WAYNE L.
Effects of pilot background and experience on air combat maneuvering (ACM) performance p 498 A95-95101
WADA, F.
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
WADA, Y.
Changes of endolymphatic pressure in the semicircular canal of pigeon by calorie stimulation
[ISBN 0-08-042485-6] p 11 A95-60679
WADE, C. E.
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
WAGNER, DAN
A psychologist's view of validating aviation systems p 540 N95-34767
WAGNER, ELIZABETH M.
Contribution of pulmonary versus systemic perfusion of airway smooth muscle
[HTN-95-91877] p 334 A95-81979
WAGNER, PETER D.
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
Effect of hematocrit on systemic O2 transport in hypoxic and normoxic exercise in rats
[HTN-95-A0709] p 298 A95-75278
WAGNER, R. F., JR.
In vivo fluorescence spectroscopy for the diagnosis of skin diseases p 435 A95-87833
WAGNER, WILTZ W., JR.
Effect of increasing flow on distribution of pulmonary capillary transit times
[HTN-95-10101] p 58 A95-61952
Stability of alveolar capillary opening pressures
[HTN-95-A0638] p 282 A95-74339
WAHLEN, MARTIN
Oxygen loss in Biosphere 2
[HTN-95-61119] p 397 A95-83702
Oxygen loss in Biosphere 2
[HTN-95-A1596] p 459 A95-90171
WAIT, J. L.
Diaphragm thickness heterogeneity at functional residual capacity and total lung capacity
[HTN-95-00437] p 329 A95-81954
WAIT, JULIETTE L.
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
WAKAI, Y.
Regional diaphragm shortening measured by sonomicrometry
[HTN-95-70492] p 228 A95-71514
WAKAMATSU, S.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
WAKATSUKI, TORU
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
WAKI, HIDEFUMI
Hormonal changes on rat under the hypergravity exposure p 362 A95-82609
WAKI, YASUHIRO
Regional lung hematocrit variation and assessment of acute lung injury
[HTN-95-A0111] p 198 A95-68894
WAKLEY, GLENN K.
Spaceflight results in depressed cancellous bone formation in rat humeri
[HTN-95-01215] p 426 A95-91447
WAKUMOTO, YUSHI
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst p 110 A95-63777
WALDE, P.
Chemical autopoiesis: Self-replicating micelles and vesicles p 124 A95-63846
WALDMAN, F. A.
Novel sensor technology for monitoring and control of critical plant nutrient parameters p 478 A95-93786
WALIGORA, J. M.
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
WALKER, CLINTON B.
Creation of new items and forms for the Project A Assembling Objects test
[AD-A285522] p 174 N95-18095
WALKER, D. C.
Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907

WALKER, ROBIN M. C.
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise
[HTN-95-70077] p 76 A95-62519
WALL, P. TIM
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
WALLENIUS, C.
Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
WALLIN, CARL-JOHAN B.
Estimation of extravascular lung water in humans with use of 2H20: Effect of blood flow and central blood volume
[HTN-95-70102] p 82 A95-62544
WALLIS, MAX
Extinction of dinosaurs: A possible novel cause
p 191 A95-66769
WALSH, JOHN M.
Influence of isometric loading on biceps EMG dynamics as assessed by linear and nonlinear tools
[HTN-95-00412] p 322 A95-81929
WALTER, J.
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
WALTERS, E. HAYDN
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483
WALTERS, THOMAS J.
No detectable bioeffects following acute exposure to high peak power ultra-wide band electromagnetic radiation in rats
[HTN-95-92914] p 428 A95-91852
WALTMAN, PAUL
Competition for a single limiting resource in continuous culture: The variable-yield model
[BTN-94-EIX94501431532] p 141 A95-64529
WALTZ, WILLIAM F.
Sodium transport and fluid balance in lungs from normal and dystrophic hamsters
[HTN-95-A0649] p 284 A95-74350
WAN, WEIREN
A study of zinc copper and manganese metabolism during military exercises in high temperature environment
[HTN-95-93128] p 491 A95-95629
WANG, BOLIANG
Algorithm for real-time detection of QRS complex in ECG signal
[HTN-95-93118] p 491 A95-95619
WANG, C.
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
WANG, DAVID
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366
WANG, H.
Effect of a chiral impulse on the weak interaction induced handedness in a prebiotic medium p 422 A95-88740
WANG, HAILONG
Acute lung injury in endotoxemic pigs: Role of leukotriene B(sub 4)
[HTN-95-00446] p 331 A95-81963
WANG, JIE
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
WANG, KAI-HENG
A 3D stereo data visualization and representation
[AD-A284788] p 261 N95-20064
WANG, LI-HAU
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
WANG, P. M.
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
WANG, QING
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
Changes in ECG in ground squirrels under several special conditions
[HTN-95-93127] p 487 A95-95628
WANG, RUIAN
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625
WANG, STEVEN Y.
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
WANG, WEISHENG
TGF-beta(sub 1) causes increased endothelial ICAM-1 expression and lung injury
[HTN-95-A0703] p 297 A95-75272
WANG, Y.
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205
WANG, YAO
Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949
WANG, YOUMING
Mammalian cell cultivation in space
p 27 A95-61564
WANG, YUQING
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
WANG, ZHENYU
Absorption of ultra-short wave radiant energy by white rats
[HTN-95-93126] p 486 A95-95627
WANG, ZHIYUE
Simultaneous in vivo measurements of HbO2 saturation and PCr kinetics after exercise in normal humans
[HTN-95-A0585] p 269 A95-74286
WANNER, A.
Tracheal mucosal edema in hydrostatic pulmonary edema
[HTN-95-A0619] p 277 A95-74320
WARBERG, JORGEN
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
WARBURTON, ROD R.
Downregulation of pulmonary atrial natriuretic peptide receptors in rats exposed to chronic hypoxia
[HTN-95-A0706] p 297 A95-75275
WARD, M. E.
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256
WARD, MICHAEL E.
Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide
[HTN-95-50856] p 235 A95-73046
WARD, SALLY L. DAVIDSON
Developmental pattern of hypercapnic and hypoxic ventilatory responses from childhood to adulthood
[HTN-95-10066] p 49 A95-61917
WARD, SUSAN A.
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055
WARD, THOMAS E.
Space radiation issues within the Space Exploration Initiative (SEI) p 321 A95-81454
WARHAFTIG-GLYNN, NANCY
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963
WARM, J. S.
Effects of allocation and partitioning strategies of adaptive automation on taskperformance and perceived workload in aviation relevant tasks p 518 A95-95057
WARNER, DAVID O.
Is nitric oxide involved in cutaneous vasodilation during body heating in humans?
[HTN-95-70095] p 81 A95-62537
WARREN, GORDON L.
Eccentric contraction-induced injury of mouse soleus muscle: Effect of varying (CA(2+))(sub o)
[HTN-95-10076] p 52 A95-61927
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287
WARREN, RIK
Altitude control: Effects of texture and global optical flow p 497 A95-95080
WARREN, STEVE
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831
WASIELEWSKI, MICHAEL R.
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
WASSERMAN, KARLMAN
Lactic acidosis as a facilitator of oxyhemoglobin dissociation during exercise
[HTN-95-10077] p 52 A95-61928
Evaluation of a symmetrically disposed Pitot tube flowmeter for measuring gas flow during exercise
[HTN-95-70458] p 220 A95-71480
WASSERSUG, R.
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
WASSERSUG, R. J.
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
WATABE, H.
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
WATANABE, KIMITSUNA
The evolutionary change of the genetic code as restricted by the anticodon and identity of transfer RNA
[HTN-95-A0483] p 231 A95-72554
WATANABE, S.
Changes of endolymphatic pressure in the semicircular canal of pigeon by calorie stimulation
[ISBN 0-08-042485-6] p 11 A95-60679
Overwintering in the Antarctica as an analog for long term manned spaceflight
[ISBN-0-08-042485-6] p 15 A95-60686
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration
[HTN-95-90032] p 82 A95-62823
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
WATANABE, SATORU
Effects of lateral tilt on optokinetic nystagmus, afternystagmus, and eye tracking in humans
p 384 A95-82603
Postural control of fish related to gravity input
p 361 A95-82605
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans
p 438 A95-88571
Postural control of fish related to gravity input
p 44 N95-15118
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
WATANABE, TAKEMASA
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582
WATANABE, YASUHIDE
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
WATANABE, YOSAKU
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation
[HTN-95-70476] p 224 A95-71498
WATCHKO, J. F.
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
WATCHKO, JON F.
Age-related differences in diaphragm muscle injury after lengthening activations
[HTN-95-50869] p 238 A95-73059
WATENPAUGH, D. E.
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight
p 151 N95-16744
WATENPAUGH, DONALD E.
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses
p 89 N95-15128
Self-generating oscillating pressure exercise device
[NASA-CASE-ARC-12000-1] p 314 N95-23264
WATERS, C. M.
Use of scaling theory to relate measurements of lung endothelial barrier permeability
[HTN-95-50898] p 244 A95-73088
WATKINSON, WILLIAM P.
Ozone toxicity in the rat. 1: Effect of changes in ambient temperature on extrapulmonary physiological parameters
[HTN-95-00445] p 331 A95-81962
WATSON, CHARLES S.
Perception of complex auditory patterns
[AD-A284189] p 159 N95-18626
Activities of the Institute for the Study of Human Capabilities
[AD-A286471] p 267 N95-22275
WATT, PETER W.
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
WATTEL, K.
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665

WATTIE, J.
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
WEAVER, PAUL
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017063] p 306 N95-22913
WEBB, KATHERINE A.
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044
WEBBER, CHARLES L., JR.
Dynamical assessment of physiological systems and states using recurrence plot stategies
[HTN-95-60052] p 72 A95-62160
Influence of isometric loading on biceps EMG dynamics as assessed by linear and nonlinear tools
[HTN-95-00412] p 322 A95-81929
WEBBER, S. E.
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
WEBBON, BRUCE
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399
WEBER, ARTHUR L.
A redox beginning: Which came first phosphoryl, acyl, or electron transfer ? p 107 A95-63759
Prebiotic polymerization: Oxidative polymerization of 2, 3-dimercapto-1-propanol on the surface of iron(III) hydroxide oxide p 420 A95-88730
WEBER, HEIDI
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
WEBER, W.
Crystallization of the EGF receptor ectodomain on US space mission STS-47
[HTN-95-80708] p 250 A95-73280
WEBSTER, K.
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
WEBSTER, MICHAEL J.
Rapid tracer lactate influx into canine skeletal muscle
[HTN-95-21578] p 369 A95-83363
WECKWERTH, G.
Phosphorus as a potential guide in the search for extinct life on Mars p 216 A95-66775
WEDDENDORF, BRUCE
Portable seat lift
[NASA-CASE-MFS-28610-1] p 23 N95-11394
Automatic locking knee brace joint
[NASA-CASE-MFS-28997-1] p 402 N95-27501
WEHNER, J.
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I p 404 A95-83983
WEHR, MARCUS S.
Ventilatory and hyperkalemic responses to incremental exercise after propranolol treatment
[HTN-95-A0667] p 288 A95-74368
WEI, JEANNE Y.
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait
[HTN-95-21598] p 374 A95-83383
WEI, YONGJIA
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
WEI, ZENGQUAN
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090
WEICKER, H.
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
WEIDERYD, M.
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
WEIGEL, RUSSELL C.
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375
WEINBERG, H.
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148
Development of electrophysiological measures of GA pilot workload p 507 A95-95178
WEINSTEIN, YECHIEL
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050
WEINSTEIN, YITZHAK
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448
WEIR, JOSEPH P.
Electromyographic evaluation of joint angle specificity and cross-training after isometric training
[HTN-95-A0604] p 273 A95-74305
WEIR, LOREE L.
Electromyographic evaluation of joint angle specificity and cross-training after isometric training
[HTN-95-A0604] p 273 A95-74305
WEISS, ERIN M.
Ventilatory responses to cooling the ventrolateral medullary surface of awake and anesthetized goats
[HTN-95-21584] p 371 A95-83369
WEISS, J. WOODROW
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335
WEISS, M.
PMN cell counts and phagocytic activity of highly trained athletes depend on training period
[HTN-95-A0646] p 284 A95-74347
WELCH, MICHAEL J.
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. I. Theory and error analysis
[HTN-95-00449] p 332 A95-81966
In vivo measurements of pulmonary angiotensin-converting enzyme kinetics. 2: Implementation and application
[HTN-95-00450] p 332 A95-81967
WELCH, R.
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
WELDON, KERI J.
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
WELLS, MAXWELL
A comparison of performance with visual and auditory displays in a simulated target localization task p 517 A95-95042
WELLS, T.
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
WELLS, U. M.
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
WELSCH, H.
Selection and training of MiG-29 and future fighter pilots p 534 N95-34059
WELSH, DAVID K.
Cellular analysis of circadian rhythmicity in cultured SCN neurons
[AD-A284167] p 159 N95-18512
WELTIN, MARY
Validation of the air traffic control specialist pre-training screen p 498 A95-95104
WELTMAN, A.
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
WELTMAN, ARTHUR
Effects of acute caffeine withdrawal on habituated male runners
[HTN-95-10112] p 61 A95-61963
WEN, TE-SHENG
Protein accumulation in cerebrospinal fluid during -90 deg head-down tilt in rabbit
[HTN-95-A0685] p 292 A95-75254
WENGER, K. S.
Development of a CELSS bioreactor: Oxygen transfer and micromixing in parabolic flight p 513 A95-93769
WENGING, WANG
NMR studies on the weak interactions between amino acids and nucleotides p 126 A95-63853
WENZEL, E. M.
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
WENZEL, ELIZABETH M.
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
Virtual acoustic displays p 98 N95-14035
WERBLIN, FRANK
Computer models of retinal function
[AD-A290156] p 449 N95-29022
WERBLIN, FRANK S.
Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811
WERCHAN, P. M.
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926
WERNER, JUERGEN
Efficiency function: Improvement of classical bioheat approach
[HTN-95-A0636] p 281 A95-74337
WERTHEIM, A. H.
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
WESEMAN, CHERYL A.
Body fluid balance in dehydrated healthy older men: Thirst and renal osmoregulation
[HTN-95-10087] p 55 A95-61938
WESSON, PAUL
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659
WEST, JOHN B.
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
Inhomogeneity of pulmonary perfusion during sustained microgravity on SLS-1
[HTN-95-10102] p 59 A95-61953
Lung volumes during sustained microgravity on Spacelab SLS-1
[HTN-95-A0676] p 310 A95-74377
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1
[HTN-95-91901] p 351 A95-82003
WESTERTERP, KLAAS R.
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
WESTRUM, RON
Is there a role for a test controller in the development of new ATC equipment? p 542 N95-34778
WETZIG, J.
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration
[HTN-95-80032] p 82 A95-62823
WETZIG, JOACHIM
Graded change of forces on the otoliths as a tool to investigate equilibrium in man p 439 A95-88574
Will man need the vestibular system in generations to come? p 86 N95-15092
WEYDAHL, ANDI
Time-dependent glycemic response to exercise in winter and spring in the subarctic
[HTN-95-21577] p 369 A95-83362
WEYLAND, MARK D.
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
WHALEN, ROBERT
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA) p 90 N95-15140
WHALON, B.
Gravitational effects on the rearrangement of cytoplasmic components during axial formation in amphibian development p 414 A95-87518
WHARTON, R. A.
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
WHARTON, ROBERT A., JR.
Stromatolitic microbial mats in perennially ice-covered Antarctic lakes p 128 A95-63864
WHEATLEY, J.
Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918
Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488
WHEELER, R.
Object-oriented model-driven control p 515 A95-93799
WHEELER, R. M.
Proximate nutritional composition of CELSS crops grown at different CO2 partial pressures p 477 A95-93780
Carbon Dioxide interactions with irradiance and temperature in potatoes p 479 A95-93790

Growth of soybean and potato at high CO2 partial pressures p 479 A95-93791
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
Growth of potatoes for CELSS
[NASA-CR-177646] p 37 N95-11949

WHEELER, RAY
CELSS engineering parameters
[SAE PAPER 932130] p 463 A95-90371

WHEELER, RAYMOND M.
Engineering stategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system
[SAE PAPER 932062] p 466 A95-91641
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

WHEELER, RICHARD R., JR.
Single phase space laundry development
[SAE PAPER 932092] p 460 A95-90339

WHEELWRIGHT, CHARLES
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878

WHERRY, ROBERT, JR.
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 266 N95-21691

WHIPP, BRIAN J.
Effects of infused epinephrine on slow phase of O2 uptake kinetics during heavy exercise in humans
[HTN-95-50865] p 237 A95-73055

WHISLER, SANDRA
Sympathetic and blood pressure responses to voluntary apnea are augmented by hypoxemia
[HTN-95-50880] p 240 A95-73070

WHITE, C. D.
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095

WHITE, DAVID P.
Respiratory-related control of palatoglossus and levator palatini muscle activity
[HTN-95-91912] p 343 A95-82014
Influences of NREM sleep on activity of palatoglossus and levator palatini muscles in normal men
[HTN-95-91913] p 343 A95-82015

WHITE, GEORGE
Management of human failure in the cockpit by means of a human system failure checklist p 523 A95-95199

WHITE, KEITH D.
Destabilizing effects of visual environment motions simulating eye movements or head movements p 103 N95-14061

WHITE, M. R.
Magnetite: What it reveals about the origin of the banded iron formations p 128 A95-63862
Search for life on Mars: Evaluation of techniques p 216 A95-66776

WHITE, MELISA R.
The in situ exobiological investigation of the Martian surface mineralogy during unmanned missions p 185 A95-63893

WHITE, RONALD J.
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting
[NASA-TM-110655] p 527 N95-32719

WHITE, SNO E.
Basis for the selective reduction of pulmonary vascular resistance in humans during infusion of adenosine
[HTN-95-60060] p 74 A95-62168

WHITE, TIMOTHY P.
Recovery of medial gastrocnemius muscle grafts in rats: Implications for the plantar flexor group
[HTN-95-70460] p 220 A95-71482
Mechanical load affects growth and maturation of skeletal muscle grafts
[HTN-95-21558] p 365 A95-83343

WHITE, VICKY L.
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702

WHITMAN, GARY R.
Occupant reach and mobility apparatus
[AD-D016253] p 267 N95-22099

WHITMORE, MIHRIBAN
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878

WHITNEY, PAUL
Augmentation of research on cognitive control
[AD-A280956] p 93 N95-14600

WHITTAKER, ANTHONY R. D.
DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248

WHITTET, D. C. B.
Cosmic evolution of the biogenic elements and compounds
[HTN-95-41238] p 316 A95-75050

WICH, MIKE
Distributed problem solving by pilots and dispatchers p 495 A95-95065

WICKE, H. J.
The fluid content of the shell tissues of the human body under different experimental conditions p 437 A95-88564

WICKENS, CHRISTOPHER
An evaluation of perspective and stereoscopic displays as alternatives to plan view displays in air traffic control p 521 A95-95094

WICKENS, CHRISTOPHER D.
Strategic workload management and decision biases in aviation
[HTN-95-40883] p 259 A95-72260
Implications of graphics enhancements for the visualization of scientific data: Dimensional integrality, stereopsis, motion and mesh
[HTN-95-B0111] p 397 A95-85927
Attentional tunneling and the head-up display p 522 A95-95176
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base p 509 A95-95195
ASRS and aviation psychology p 510 A95-95206

WICKRAMASINGHE, N. C.
Extinction of dinosaurs: A possible novel cause p 191 A95-66769

WICKRAMASINGHE, N. S. M. D.
Direct interaction between amino acids and nucleotides as a possible physicochemical basis for the origin of the genetic code p 194 A95-66800

WICKRAMASINGHE, NALINIE S. M. D.
Relationships of essence and form in the origin of the genetic system p 136 A95-63905

WIDDICOMBE, J. G.
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271

WIDDICOMBE, J. H.
A method for measuring CL efflux from dispersed cells of airway epithelium
[HTN-95-00453] p 333 A95-81970

WIDELL, JEFFREY L.
Reduction and accumulation of methylene blue by the lung
[HTN-95-A0725] p 302 A95-75294

WIEDERHOLD, M. L.
Formation of otoconia in the Japanese red-bellied newt, Cynops pyrrhogaster
[ISBN 0-08-042485-6] p 9 A95-60670
AstroNewt: Early development of newt in space p 414 A95-87521

WIEDERHOLD, MICHAEL L.
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster p 363 A95-82612

WIEGEL, J. K. W.
Microbiology and physiology of anaerobic fermentations of cellulose
[DE95-002899] p 246 N95-20917

WIEGMAN, J. F.
Effect of hypoxia and hyperoxia on human +G(sub z) duration tolerance
[HTN-95-10075] p 51 A95-61926

WIEGMANN, D. L.
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307

WIENHARD, KLAUS
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885

WIESTER, MILDRED J.
Ozone toxicity in the rat. 1: Effect of changes in ambient temperature on extrapulmonary physiological parameters
[HTN-95-00445] p 331 A95-81962

WIGGINS, MARK
Expertise in aeronautical decision making: A cognitive skill analysis p 496 A95-95073

WIGGS, BARRY R.
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357

WIGHTMAN, FREDERIC L.
Psychophysical evaluation of three-dimensional auditory displays
[NASA-CR-198010] p 353 N95-24564

WIGHTMAN, R. M.
Extracellular ionic composition alters kinetics of vesicular release of catecholamines and quantal size during exocytosis at adrenal medullary cells
[AD-A281613] p 146 N95-16112

WILBAUX, FLORENCE
Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786

WILD, MARGARET A.
Capacity for red blood cell aggregation is higher in athletic mammalian species than in sedentary species
[HTN-95-A0655] p 285 A95-74356

WILEY, BONNIE
Intelligent systems based on ordered arrays of biological molecules using the LB technique
[BTN-94-EIX94381359517] p 230 A95-71754

WILKE, W. LEE
Preconditioning with sodium deficits to improve orthostatic tolerance in rats
[HTN-95-01213] p 425 A95-91445

WILLIAMS, BRADLEY D.
Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989

WILLIAMS, BRADLY D.
Glucose kinetics during high-intensity exercise in endurance-trained and untrained humans
[HTN-95-00454] p 333 A95-81971

WILLIAMS, DAVID R.
Biochemistry of the actinides
[GTN-95-09258388-4023] p 424 A95-89501

WILLIAMS, G.
Effect of task load and task load increment on performance and workload p 519 A95-95058

WILLIAMS, GEORGE O., JR.
Capillary electrophoresis: Biotechnology for separation of DNA and chromosomes p 144 N95-19014

WILLIAMS, HENRY P.
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base p 509 A95-95195

WILLIAMS, JAY H.
Eccentric contraction-induced injury in normal and hindlimb-suspended mouse soleus and EDL muscles
[HTN-95-A0718] p 300 A95-75287

WILLIAMS, JEFFREY J.
Ergonomics in laser system design p 458 A95-87846

WILLIAMS, ROBERT C.
Psychosocial stress and mental health in a forward-deployed military community
[AD-A285940] p 263 N95-22323

WILLIAMS, ROY E.
Man-machine interfaces in health care p 97 N95-14029

WILLIAMS, TREVOR J.
Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483

WILLIAMSON, REBECCA C.
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970

WILLIMEK, R.
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I p 404 A95-83983

WILLIS, JOHN S.
Membrane transport: A cellular probe of heat stroke
[AD-A293327] p 492 N95-30924

WILMINGTON, ROBERT P.
Geometry and gravity influences on strength capability
[NASA-TP-3511] p 180 N95-18189

WILMORE, DOUGLAS W.
Multifrequency bioelectrical impedance fails to quantify sequestration of abdominal fluid
[HTN-95-91919] p 344 A95-82021

WILSON, ARCHIE F.
Investigation of computer lung model-predicted DLco during single-breath maneuvers
[HTN-95-70100] p 81 A95-62542
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369

WILSON, E.
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397

WILSON, ESTHER J.
Directed evolution of novel biosynthetic pathways to proline p 132 A95-63881
WILSON, GLENN F.
Psychophysiological measures of workload during continuous manual performance
[HTN-95-B0068] p 389 A95-85884
Evaluation of two inflight sensors using heart rate and eye blink measures p 522 A95-95180
An analysis of physiological metrics in the study of pilot situational awareness p 490 A95-95184
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
WILSON, JOHN R.
Contribution of postassium to exercise-induced vasodilation in humans
[HTN-95-70482] p 226 A95-71504
Validation of near-infrared spectroscopy in humans
[HTN-95-70491] p 228 A95-71513
WILSON, JOHN W.
HZE reactions and data-base development p 350 A95-81444
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
WILSON, L. BRITT
Cardiovascular and renal nerve responses to static muscle contraction of decerebrate rabbits
[HTN-95-50882] p 241 A95-73072
WILSON, L. E.
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
WILSON, M. A.
Computer simulation of astrophysical ices p 108 A95-63766
Structure and functions of simple membrane-water interfaces p 125 A95-63848
WILSON, MARY E.
The emergence of new diseases
[HTN-95-42105] p 375 A95-83871
WILSON, MICHAEL A.
Probing the structure of cometary ice p 419 A95-88727
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728
WILSON, PETER S.
Vascular permeability and epithelial transport effects on lung edema formation in ischemia and reperfusion
[HTN-95-A0680] p 294 A95-75259
Adenosine A2 receptors reverse ischemia-reperfusion lung injury independent of Beta-receptors
[HTN-95-00432] p 327 A95-81949
WILSON, T. A.
Model for a pump that drives circulation of pleural fluid
[HTN-95-21557] p 364 A95-83342
WILSON, THEODORE A.
Effect of acceleration on the chest wall
[HTN-95-10132] p 66 A95-61983
WINDER, W. W.
Effect of endurance training on activators of glycolysis in muscle during exercise
[HTN-95-60042] p 70 A95-62150
Effect of fasting and refeeding on acetyl-CoA carboxylase in rat hindlimb muscle
[HTN-95-91899] p 339 A95-82001
WINDGASSEN, E. J.
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions
[ISBN 0-08-042485-6] p 8 A95-60665
WING, P.
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
WINGET, C. M.
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
WINQUIST, F.
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227
WINTER, D.
Cooperative binding of nucleotides and their derivatives to clay and mineral surfaces p 112 A95-63788
WINTER, DIRK
Binding of adenine and adenine-related compounds to the clay montmorillonite and the mineral hydroxylapatite p 420 A95-88731
WINTER, KATHRYN P.
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs
[AD-A284928] p 169 N95-16140
WIRTZ, M. M.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489
WISE, J. A.
The effect of pseudo three-dimensional displays on the type and quality of general aviation pilots' maneuvering decisions p 517 A95-95043
WISE, JOHN A.
The options of pilots flying automated corporate aircraft with regard to their perceived workload p 507 A95-95173
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
On the use of the systems approach to certify advanced aviation technologies p 540 N95-34765
WISE, MARK A.
On the use of the systems approach to certify advanced aviation technologies p 540 N95-34765
WISHERD, J. L.
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
WISHERD, P. P.
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
WITSCHI, H.
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182854] p 142 N95-16801
WITT, J.
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
Evaluation of a two-membrane filter for gas-water seperation in microgravity
[SAE PAPER 932163] p 464 A95-90396
WITTEN, MARK L.
The chronic effects on JP-8 jet fuel exposure on the lungs
[AD-A280982] p 149 N95-16515
WITTNICH, CARIN
Blood lactate and acid-base balance in graded neonatal hypoxia: Evidence for oxygen-restricted metabolism
[HTN-95-50861] p 236 A95-73051
WLOTZKA, B.
Self-replicating oligonucleotides p 119 A95-63822
WODICKA, GEORGE R.
Non-invasive detection of increased intracranial pressure using acoustical techniques
[AD-A279292] p 351 N95-24309
WOFSY, DAVID
Treatment of murine lupus with CTLA4Ig
[BTN-95-ED95302460580] p 488 A95-94245
WOGALTER, MICHAEL S.
Influence of warning label signal words on perceived hazard level
[HTN-95-B0069] p 390 A95-85885
WOIN, PER
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4196] p 430 A95-92259
WOJTASZEWSKI, JORGEN
Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962
WOLF, L.
'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
WOLFE, JEREMY M.
Developing Guided Search 3.0. The next generation of a model visual search
[AD-A283956] p 93 N95-14369
WOLFE, LARRY A.
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise
[HTN-95-70077] p 76 A95-62519
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044
WOLFE, MICHAEL
Design considerations for FrankTalk: A distributed group support system
[AD-A289386] p 401 N95-26963
WOLFE, R. E.
Acute and subacute toxicity of ammonium dinitramide (ADN) p 387 N95-28318
WOLFE, ROBERT R.
Isotopic determination of glycolytic flux during intense exercise in humans
[HTN-95-91887] p 336 A95-81989
WOLFEL, E. E.
Beta-adrenergic blockade does not prevent the lactate response to exercise after acclimatization to high altitude
[HTN-95-60029] p 66 A95-62137
WOLFEL, EUGENE E.
Systemic hypertension at 4,300 m is related to sympathoadrenal activity
[HTN-95-10088] p 55 A95-61939
WOLFMAN, G. JONATHAN
Computer human interface design in tower air traffic control for aircraft flight data management p 521 A95-95095
WOLINSKY, IRA
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21562] p 366 A95-83347
WOLKE, A.
Gravitational response of the slime mold Physarum
[ISBN 0-08-042485-6] p 2 A95-60635
WOLLMER, PER
Tidal volume and alveolar clearance of insoluble particles
[HTN-95-60057] p 74 A95-62165
WOLLMER, PER J.
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
WOLOSCHAK, GAYLE E.
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
WOMACK, C. J.
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
WONG, DICK
Operator versus computer control of adaptive automation p 519 A95-95059
WONG, J. P.
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
WONG, L. G.
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality
[NASA-TM-4650] p 144 N95-19140
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise
[NASA-TM-4657] p 248 N95-21544
WONG, MICHAEL K. C.
NMDA receptors in caudal ventrolateral medulla mediate reflex airway dilation arising from the hindlimb
[HTN-95-A0644] p 283 A95-74345
WONG, PETER P.
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653
WONG, WAI-HOI
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-ED95332424644] p 485 A95-94900
WOO, MARLYN S.
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
WOOD, C. M.
Catecholamine and blood lactate responses to incremental rowing and running exercise
[HTN-95-10114] p 61 A95-61965
WOOD, E. H.
Methods for measuring physiological responses and protection in man exposed to high +G(z) p 532 N95-34058
WOOD, EARL
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127
WOOD, KATHRYN J.
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
WOOD, M.
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
WOOD, MARGIE L.
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing
[HTN-95-70475] p 224 A95-71497

WOODHOUSE, R.
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
WOODING, GRAHAM
Enhanced adipose tissue lipoprotein lipase activity in detrained rats: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
WOODRUM, DAVID E.
Diaphragmatic failure during group B streptococcal sepsis in piglets: The role of thromboxane A2
[HTN-95-91888] p 337 A95-81990
WOODS, C. B.
Destabilizing effects of visual environment motions simulating eye movements or head movements
p 103 N95-14061
WOODS, DANETTE
Acidosis stimulates beta-endorphin release during exercise
[HTN-95-A0668] p 289 A95-74369
WOODS, DAVID D.
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
WOODS, J. A.
Effects of exercise on macrophage activation for antitumor cytotoxicity
[HTN-95-70082] p 77 A95-62524
WOODS, JANICE
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
WOODS, W. S.
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
WOODS, WANDA
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
WOOLES, W. R.
Gender-related differences in the baroreceptor reflex control of heart rate in normotensive humans
[HTN-95-A0115] p 199 A95-68898
WOOLLEY, M. J.
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
WORM, L.
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
WOUTERS, LOEK
Energy balance at high altitude of 6,542 m
[HTN-95-A0140] p 205 A95-68923
WREN, SIMON
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
WRIGHT, F.
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
WRIGHT, HELEN
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
WRIGHT, MARTIN C.
Directed evolution of novel biosynthetic pathways to proline p 132 A95-63881
WRIGHT, NICOLA A.
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches)
[AGARD-AR-324] p 34 N95-12133
WRIGHT, WAYNE
US Coast Guard Human Systems Integration (HSI) process model
[AD-A289172] p 400 N95-26612
WU, JAYOUNG
A novel computational method to simulate non-enzymatic self-replication p 114 A95-63800
WU, JIANMIN
Absorption of ultra-short wave radiant energy by white rats
[HTN-95-93126] p 486 A95-95627
WU, TAIFENG
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides
[HTN-95-A0476] p 230 A95-72547
WU, ZHIJUN
Parallel continuation-based global optimization for molecular conformation and protein folding
[DE95-005860] p 432 N95-30114
WYDEVEN, T.
Approaches to resource recovery in controlled ecological life support systems p 514 A95-93774
WYLIE, E. BENJAMIN
Cavitation/boundary effects in a simple head impact model
[HTN-95-12209] p 428 A95-91909

X

XIANG, DING
NMR studies on the weak interactions between amino acids and nucleotides p 126 A95-63853
XIE, HONGMEI
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090
XU, FADI
Cerebellar modulation of ventilatory response to progressive hypercapnia
[HTN-95-A0684] p 292 A95-75253
Cerebellar role in the load-compensating response of expiratory muscle
[HTN-95-A0699] p 296 A95-75268
XU, GUOLIN
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
XU, H. F.
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
XU, J.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
XU, JI
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617
XU, M.
Local threshold for segmented attenuation correction of pet imaging of the thorax
[BTN-95-EIX95332424658] p 484 A95-94889
XU, PEIJI
Absorption of ultra-short wave radiant energy by white rats
[HTN-95-93126] p 486 A95-95627
XU, XIAOBIN
Role of EDRF in the regulation of regional blood flow and vascular resistance at rest and during exercise in conscious dogs
[HTN-95-A0599] p 272 A95-74300
XU, YING
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
XUE, YUEYING
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626

Y

YABUSHITA, S.
Are periodicities in crater formations and mass extinctions related?
[HTN-95-50109] p 105 A95-63321
YAEKASHIWA, MASAHIRO
Application of an air-filled tube for measuring intraesophageal pressure
[HTN-95-70099] p 81 A95-62541
YAGER, D.
Airway surface liquid thickness as a function of lung volume in small airways of the guinea pig
[HTN-95-50892] p 243 A95-73082
YAGI, YASUO
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure
[HTN-95-21595] p 373 A95-83380
YAGLE, ANDREW E.
Forward and inverse problems in elasticity imaging of soft tissues
[BTN-95-EIX95332424675] p 483 A95-94877
YAKIMENKO, M. N.
Setup for studying kinetics of fluorescence anisotropy decay in biological objects
[BTN-95-EIX95242679361] p 361 A95-82075
YAKOVLEV, V. V.
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
YAMADA, KATSUHIKO
Arm trajectory design of a space robot
p 394 A95-82466
YAMADA, MAKOTO
Pump-induced dispersion of erbium-doped fiber measured by Fourier-transform spectroscopy
[BTN-94-EIX94451381016] p 75 A95-62226
YAMADA, MASAYOSHI
Calculation of characteristic x rays in diagnostic d-ray spectrum
[BTN-94-EIX94341341389] p 145 A95-65124
YAMADA, YOSHITSUGU
Respiratory muscle pressure analysis in pressure-support ventilation
[HTN-95-50890] p 242 A95-73080
YAMAGATA, Y.
Specific effect of magnesium ion on AMP synthesis from adenosine and trimetaphosphate in aqueous solution
p 107 A95-63758
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729
YAMAGUCHI, ISAO
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
YAMAGUCHI, MAMORU
Hypertropy and proliferation of skeletal muscle fibers from aged quail
[HTN-95-21590] p 372 A95-83375
YAMAGUCHI, YUKIO
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans
[HTN-95-70472] p 223 A95-71494
YAMAMOTO, C.
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
YAMAMOTO, MAKOTO
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole
[HTN-95-10065] p 49 A95-61916
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men
[HTN-95-A0651] p 285 A95-74352
YAMAMOTO, MICHIO
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure
[HTN-95-A0679] p 291 A95-74380
YAMAMOTO, MIKIO
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976
YAMAMOTO, N.
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556
YAMAMOTO, RYOICHI
Effect of gravity on plant growth and cell wall properties p 363 A95-82613
YAMAMOTO, T.
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
YAMAMOTO, TAKUYA
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans
p 438 A95-88571
YAMAMOTO, TETSUO
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
YAMAMOTO, Y.
Sympathetic and parasympathetic indicators of heart rate control at altitude studied by spectral analysis
[HTN-95-70464] p 221 A95-71486
Investigation of hormonal effects during 10-h head-down tilt on heart rate and blood pressure variability
[HTN-95-91900] p 340 A95-82002
YAMAMURA, HIDEKI
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
YAMANO, KANAME
Calculation of characteristic x rays in diagnostic d-ray spectrum
[BTN-94-EIX94341341389] p 145 A95-65124
YAMASAKI, MASAO
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
YAMASAKI, YONOSUKE
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure
[HTN-95-A0679] p 291 A95-74380
YAMASHITA, HIROSHI
Influence to organs by ten weeks tail suspension
p 45 N95-15142
YAMASHITA, HITOSHI
Responses of brown adipose tissue activity to unloading in rats
[HTN-95-91874] p 333 A95-81976

YAMASHITA, KATSUMASA
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608

YAMASHITA, M.
Formation of otoconia in the Japanese red-bellied newt, Cynops pyrrhogaster
[ISBN 0-08-042485-6] p 9 A95-60670
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight
[ISBN-0-08-042485-6] p 11 A95-60685
Vegetative growth of higher plants on a three-dimensional clinostat
[HTN-95-90031] p 41 A95-62822
Behavior of space frog p 362 A95-82611
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions p 408 A95-87491
AstroNewt: Early development of newt in space p 414 A95-87521

YAMASHITA, MASAMICHI
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster p 363 A95-82612
Effect of gravity on plant growth and cell wall properties p 363 A95-82613

YAMASHITA, SHUNICHI
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess p 418 A95-88592

YAMMAMOTO, Y.
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292

YANAGAWA, H.
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208

YANAGAWA, HIROSHI
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems p 124 A95-63847
Formation and alteration of organic compounds under submarine hydrothermal vent environments p 134 A95-63889
Redox ribonucleosides: Isolation and characterization of 5-hydroxycytidine, 5-hydroxyuridine, 8-hydroxyguanosine and 8-hydroxyadenosine from Torula Yeast RNA p 139 A95-63922

YANAGIHARA, DAI
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119

YANCY, CLYDE W.
Differential reflex control of forearm and calf resistance vessels by chemosensitive cardiac afferent activation
[HTN-95-10127] p 64 A95-61978

YANG, FANG
Ventilatory response to randomly modulated hypercapnia and hypoxia in humans
[HTN-95-70093] p 80 A95-62535

YANG, FUSHENG
Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618

YANG, JIE
Development and application of low-temperature AFM
[AD-A291704] p 383 N95-28525

YANG, PING
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906

YANG, QING X.
Sympathetic nerve activity during prolonged rhythmic forearm exercise
[HTN-95-10113] p 61 A95-61964

YANG, SHIH-PING
Cerebral pressure-flow and metabolic responses to sustained hypoxia: Effect of CO2
[HTN-95-10062] p 48 A95-61913

YANG, TANGBIN
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616

YANG, YUHUA
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616

YANSHENG, TENG
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263

YARLIKOVA, YU. V.
State of erythrocyte membrane in man and monkeys after space flight p 432 A95-87511

YAROSLAVSKY, ILYA V.
Tissue optics, light distribution, and spectroscopy
[BTN-95-EIX95292661188] p 475 A95-92524

YASILLO, N. J.
Simulation of imaging with sodium iodide crystals and position-sensitive photomultiplier tubes
[BTN-95-EIX95332424654] p 484 A95-94891

YASUDA, TSUNEHIRO
Decrease in ventricular stroke volume at apnea termination is independent of oxygen desaturation
[HTN-95-A0634] p 281 A95-74335

YASUI, WATARU
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588

YATES, J. TERRY
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441

YATES, JULIE A.
Teaching aviation safety: A new methodology p 504 A95-95150

YAWS, CARL L.
Advanced support systems development and supporting technologies for Controlled Ecological Life Support Systems (CELSS)
[NASA-CR-196774] p 23 N95-11386

YAZDI, YOUSEPH
Combining intravascular ultrasound and fluorescence spectroscopy for the real-time diagnosis of atherosclerosis p 435 A95-87831

YEDGAR, SAUL
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
Effect of mild hydrostatic pressure on red blood cells
[AD-A290520] p 453 N95-29872

YEH, JAMES K.
Effect of growth hormone administration and treadmill exercise on the body composition of rats
[HTN-95-A0587] p 269 A95-74288

YELVERTON, JOHN T.
Blast overpressure studies with animals and man
[AD-A280435] p 83 N95-13971

YEN, R. T.
Vascular impedance analysis in dog lung with detailed morphometric and elasticity data
[HTN-95-A0125] p 201 A95-68908

YEN, SAMUEL S. C.
Hypothermic effect of melatonin and nocturnal core body temperature decline are reduced in aged women
[HTN-95-21593] p 373 A95-83378

YENDLER, B.
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767

YENDLER, B. S.
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092

YENDLER, BORIS
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90399

YENDLER, BORIS S.
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094

YIN, YANWU
Absorption and steam desorption performance of weak base anion exchange resin
[HTN-95-93119] p 523 A95-95620

YING, XIAOYOU
Diameters of juxtacapillary venules determined by oil-drop method in rat lung
[HTN-95-A0126] p 201 A95-68909
Removal of albumin microinjected in rat lung perimicrovascular space
[HTN-95-A0705] p 297 A95-75274

YOFFE, SARAH L.
An assessment of pressure/oxygen ratios for a Mars base
[SAE PAPER 932147] p 464 A95-90386

YOKOGOSHI, HIDEHIKO
Metabolic and nutritional problems in simulated microgravity – influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat p 418 A95-88593

YOKOTA, HIROKI
Early development of Xenopus embryos is affected by simulated gravity
[ISBN 0-08-042485-6] p 7 A95-60661

YOKOYAMA, MASAYUKI
Self-regulated insulin delivery system using boronic acid gel
[BTN-94-EIX94381359518] p 250 A95-71755

YOKOZAWA, K.
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111

YOKOZAWA, KIKUKO
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134

YOO, K. M.
Spectral optical density measurements of small particles and breast tissues
[BTN-94-EIX94421282958] p 349 A95-78960

YORIMOTO, AKIRA
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365

YORIO, NEIL C.
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro
[NASA-TM-110654] p 431 N95-29375

YOSHIDA, TETSUYA
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion
[HTN-95-21580] p 370 A95-83365

YOSHIKAWA, SHOJI
Arm trajectory design of a space robot p 394 A95-82466

YOSHIMURA, KAZUHIKO
Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906

YOSHINO, KATSUKI
Gravitational and shear-associated pressure gradients in the abdomen
[HTN-95-A0712] p 299 A95-75281

YOSHINO, KATSUMI
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans
[BTN-95-EIX95122531759] p 320 A95-79005

YOSHIOKA, TOSHITADA
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608

YOST, WILLIAM T.
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13888-1] p 252 N95-20408
Non-invasive method and apparatus for monitoring intracranial pressure and pressure volume index in humans
[NASA-CASE-LAR-13894-1] p 365 N95-25689

YOUNES, M.
Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282

YOUNG, ANDREW
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969

YOUNG, ANDREW J.
Metabolic and thermal adaptions from endurance training in hot or cold water
[HTN-95-00409] p 322 A95-81926

YOUNG, LAURENCE R.
Life Sciences Centrifuge Facility review
[NASA-CR-196849] p 41 N95-13702

YOUNG, RICHARD S.
The origin and early evolution of ISSOL p 106 A95-63745
Bio-regenerative life support systems for human planetary missions p 145 A95-63898

YOUNG, STEPHEN L.
Natural surfactant and hyperoxic lung injury in primates. 1: Physiology and biochemistry
[HTN-95-10128] p 65 A95-61979
Natural surfactant and hyperoxic lung injury in primates. 2: Morphometric analyses
[HTN-95-10129] p 65 A95-61980
Synthetic surfactant scavenges oxidants and protects against hyperoxic lung injury
[HTN-95-A0698] p 296 A95-75267

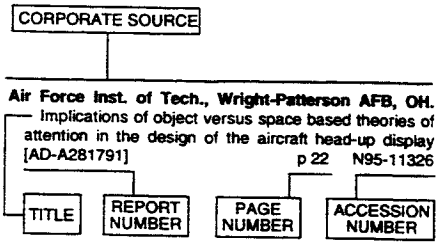
YOUVAN, DOUGLAS C.
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850
YU, F. C.
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
YU, QINGXIANG
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
YUE, GUANG
Sensitivity of muscle proton spin-spin relaxation time as an index of muscle activation
[HTN-95-A0592] p 271 A95-74293
YUE, GUANG H.
Training-related enhancement in the control of motor output in elderly humans
[HTN-95-70457] p 220 A95-71479
YUMIKURA, S.
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573

Z

ZACCANTI, GIOVANNI
Attenuation of energy in time-gated transillumination imaging: Numerical results
[BTN-95-EIX95122540286] p 320 A95-79211
ZACHARIAS, GREG L.
Flight performance measurement utilizing a figure of merit (FOM) p 509 A95-95191
ZADINSKY, JULIE K.
Development of an acuity-based nurse staffing system for the post anesthesia care unit
[AD-A288831] p 384 N95-26494
ZAHORIAN, STEPHEN A.
A portable fetal heart monitor and its adaption to the detection of certain prenatal abnormalities
[NASA-CR-196430] p 16 N95-10024
Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184
ZAIMENKO, N.
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids
p 410 A95-87501
ZAITSEV, E. N.
A physical/chemical system for water and atmosphere recovery aboard a space station
[SAE PAPER 932077] p 468 A95-91655
ZAMBELLI, MASSIMO
2-dimensional detector decoding study on BGO arrays with quadrant sharing photomultipliers
[BTN-95-EIX95332424644] p 485 A95-94900
ZAMBITO, KIM
Metabolic characteristics of primary inspiratory and expiratory muscles in the dog
[HTN-95-50870] p 238 A95-73060
ZAMENHOF, ROBERT G.
Continuation of BNCT Research Program at NEMC and MIT
[DE94-016228] p 311 N95-22875
ZAMPARO, P.
Bioenergetics and biomechanics of front crawl swimming
[HTN-95-91911] p 342 A95-82013
ZANCONATO, STEFANIA
Effect of training and growth hormone suppression on insulin-like growth factor I mRNA in young rats
[HTN-95-70084] p 78 A95-62526
Changes in potential controllers of human skeletal muscle respiration during incremental calf exercise
[HTN-95-50850] p 233 A95-73040
ZANCONATO, STEPHANIA
Muscle energetics and pulmonary oxygen uptake kinetics during moderate exercise
[HTN-95-A0648] p 284 A95-74349
ZARCHIN, N.
Multiparametric monitoring of the awake brain exposed to carbon monoxide
[HTN-95-00452] p 332 A95-81969
ZBILUT, JOSEPH P.
Dynamical assessment of physiological systems and states using recurrence plot strategies
[HTN-95-60052] p 72 A95-62160
ZEITLIN, LAWRENCE R.
Failure to follow safety instructions: Faulty communication or risky decisions?
[HTN-95-B0116] p 378 A95-85932
ZELIS, ROBERT
Effects of NO synthase inhibition on the muscular blood flow response to treadmill exercise in rats
[HTN-95-A0704] p 297 A95-75273
ZELTZER, DAVID
Interacting with virtual worlds p 98 N95-14032
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
ZELTZER, DAVID L.
The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610
ZENG, S. Q.
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
ZENT, AARON P.
The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
ZERATH, E.
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity
p 46 N95-15148
Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
ZERHOUNI, ELIAS A.
Visualization of airway obstruction in vivo during pulmonary vascular engorgement and edema
[HTN-95-00440] p 329 A95-81957
ZEROKA, DANIEL
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252
ZERTUCHE, GAVINO
Night Vision Goggles (NVG) software user's guide, version 5.1
[AD-A284563] p 179 N95-18029
ZHADKO, S. I.
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
ZHAN, W. Z.
Contractile properties of the developing diaphragm correlate with myosin heavy chain phenotype
[HTN-95-A0630] p 280 A95-74331
ZHAN, WEN-ZHI
Interactive effects of emphysema and malnutrition on diaphragm structure and function
[HTN-95-A0148] p 206 A95-68931
Histochemical and mechanical properties of diaphragm muscle in morbidly obese Zucker rats
[HTN-95-50857] p 235 A95-73047
ZHANG, BAOLAN
Changes in ECG in ground squirrels under several special conditions
[HTN-95-93127] p 487 A95-95628
ZHANG, H. Y.
Fluid flow and heat transfer in the crescent-shaped lumen catheter
[BTN-94-EIX94361122408] p 209 A95-65904
ZHANG, HENGTAI
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
ZHANG, JING
Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats
[HTN-95-93122] p 486 A95-95623
ZHANG, JINGXI
Localization of putative neural respiratory regions in the human by functional magnetic resonance imaging
[HTN-95-70091] p 80 A95-62533
ZHANG, JINGXUE
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
Changes in ECG in ground squirrels under several special conditions
[HTN-95-93127] p 487 A95-95628
ZHANG, LI-FAN
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
ZHANG, LIFAN
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625
ZHANG, QIN
Airway and tissue mechanics during physiological breathing and bronchoconstriction in dogs
[HTN-95-A0621] p 278 A95-74322
ZHANG, SHUGUANG
A hypothesis: Reciprocal information transfer between oligoribonucleotides and oligopeptides in prebiotic molecular evolution
[HTN-95-10294] p 141 A95-64056
ZHANG, Y.
Integration of segmentation and stereo matching
[PB95-107819] p 255 N95-21028
ZHANG, YI
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472
ZHAO, B.
Detection of free radicals by electron spin resonance in rat diaphragm after resistive loading
[HTN-95-A0135] p 203 A95-68918
ZHAO, MEIXUN
Amino acid stability in hydrothermal vents
p 138 A95-63916
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
ZHENG, LING
Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618
ZHENG, S. Q.
Mobility and dissipation of cadusafos in banana fields in Martinique
[GTN-95-00489697-4162] p 429 A95-92257
ZHEVLAKOV, A. P.
New gas-discharge sources and dosimeters for bactericidal radiation
[HTN-95-61165] p 378 A95-86264
ZHONG, LIN YI
Wide field of view helmet display systems mounted for helicopter simulation
[AD-A293123] p 524 N95-30888
ZHONG, P.
Characterization of fracture toughness of renal calculi using a microindentation technique
[BTN-94-EIX94361122293] p 209 A95-65873
ZHOU, Q.
Optical sensors for monitoring and control of plant growth systems p 478 A95-93787
ZHOU, S. JAMES
Dual-membrane gas trap for the Space Station Freedom internal thermal control system
[SAE PAPER 932162] p 464 A95-90397
ZHU, QIN-FAN
Maximally smooth image recovery in transform coding
[BTN-94-EIX94361135047] p 209 A95-65949
ZHU, ZHIPING
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
ZHUK, L. I.
Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463
ZIAK, DRAHOMIR
Catalytic studies of biomimetic molecular systems and origin of life p 116 A95-63807
ZIEBOLL, GERHARD
Nonenzymatic peptide formation and aminoacylation
p 117 A95-63811
ZIEGLER, MIRIAM M.
Bacterial luciferase: Determination of the structure by x-ray diffraction
[AD-A279699] p 246 N95-20711
ZIESCHANG, H. E.
Differential flank growth
[ISBN 0-08-042485-6] p 5 A95-60649
ZIJDEWIND, I.
Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist
[HTN-95-A0152] p 207 A95-68935
ZIJLSTRA, F. R. H.
Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953
ZIMMER, SARI
Discrimination of transiently applied mechanical loads: Breathing vs. pulling
[HTN-95-10063] p 48 A95-61914
ZIMMERMAN, MICHAEL B.
Effects of exercise intensity on insulin sensitivity in women with non-insulin-dependent diabetes mellitus
[HTN-95-21591] p 372 A95-83376
ZIMMERMAN, WAYNE
Telerobot local-remote control architecture for space flight program applications p 356 A95-80398

ZIMMERMANN, H.
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions
p 528 N95-32724
ZINN, KAI
Pair-rule expression patterns of even-skipped are found in both short- and long-germ beetles
[BTN-94-EIX94401310327] p 305 A95-76502
ZINTEL, T. A.
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
ZIVOTOFSKY, ARI Z.
Head perturbations during walking while viewing a head-fixed target
[HTN-95-01208] p 466 A95-91440
ZOGRAFOS, A. I.
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
ZOLMAN, JAMES F.
Protein accumulation in cerebrospinal fluid during -90 deg head-down tilt in rabbit
[HTN-95-A0685] p 292 A95-75254
ZOOKIN, GARRY
Advanced life support system analysis: Methodological framework and application studies
[SAE PAPER 932129] p 463 A95-90370
ZUBAY, G.
Cooperative binding of nucleotides and their derivatives to clay and mineral surfaces p 112 A95-63788
ZUBAY, GEOFFREY
Binding of adenine and adenine-related compounds to the clay montmorillonite and the mineral hydroxylapatite
p 420 A95-88731
ZUCKERWAR, ALLAN J.
Acoustic calibration apparatus for calibrating plethysmographic acoustic pressure sensors
[NASA-CASE-LAR-14977-1] p 253 N95-20763
ZVARA, I.
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32686
ZVYAGINTSEV, D. G.
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
ZWISCHENBERGER, JOSEPH B.
Analysis of factors affecting gas exchange in intravascular blood gas exchanger
[HTN-95-A0645] p 284 A95-74346

Typical Corporate Source Index Listing



Listings in this index are arranged alphabetically by corporate source. The title of the document is used to provide a brief description of the subject matter. The page number and the accession number are included in each entry to assist the user in locating the abstract in the abstract section. If applicable, a report number is also included as an aid in identifying the document.

A

Academy of Sciences (USSR), Moscow (USSR).
Architectural concept of Antarctic station of a new generation p 24 N95-11604
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093

Action Recherches Application Matra Irit en Interface Homme Systeme (France).
Improving air traffic control: Proving new tools or approving the joint human-machine system? p 543 N95-34783

Advisory Group for Aerospace Research and Development, Neuilly-Sur-Seine (France).
Psychophysiological assessment methods (including a register of psychophysiologists on microfiches) [AGARD-AR-324] p 34 N95-12133
The musculoskeletal and vestibular effects of long term repeated exposure to sustained high-G [AGARD-AR-317] p 103 N95-14263
The Clinical Basis for Aeromedical Decision Making [AGARD-CP-553] p 161 N95-19413
Knowledge-based guidance and control functions [AGARD-AR-325] p 314 N95-23601
Current Concepts on G-Protection Research and Development [AGARD-LS-202] p 537 N95-34050

Aeronautical Systems Div., Wright-Patterson AFB, OH.
Visual system operational evaluation [AD-A289173] p 392 N95-27012

Aerospace Medical Association, Alexandria, VA.
Aerospace Medical Association 63rd Annual Scientific Meeting Program p 142 N95-16737

Aerospace Medical Research Labs., Brooks AFB, TX.
Transesophageal echocardiographic evaluation of baboons during microgravity induced by parabolic flight p 42 N95-15094
Circulatory filling pressures during transient microgravity induced by parabolic flight p 86 N95-15095
Guidelines for a Research and Development (R/D) program for high sustained G p 88 N95-15124
Validation of MMPI scales for personality disorders: A pilot and other aviator study [AD-A284397] p 95 N95-15768
Artificial gravity: How much, how often, how long? p 178 N95-16778
The aeromedical implications of supraventricular tachycardia p 166 N95-19437
Sarcoidosis in US military aviators p 166 N95-19438
The aeromedical risk associated with asymptomatic cholelithiasis in USAF pilots and navigators p 167 N95-19439
Color vision issues in modern military aviation or the search for the Abominable Coneman p 167 N95-19441
Photorefractive Keratectomy (PRK) in the military aviator: An aeromedical expose p 167 N95-19442

Aerospace Medical Research Labs., Wright-Patterson AFB, OH.
Temporal pacing in visual attention [AD-A289785] p 355 N95-26041
Handbook of perception and human performance, volume 2. Cognitive processes and performance [AD-A289587] p 391 N95-26692
Design considerations for FrankTalk: A distributed group support system [AD-A289386] p 401 N95-26863
Acute and subacute toxicity of ammonium dinitramide (ADN) p 367 N95-28318

Aerosystems International, Yeovil (England).
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776

Air Force Inst. of Aviation and Space Medicine, Moscow (Russia).
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056

Air Force Inst. of Tech., Wright-Patterson AFB, OH.
Implications of object versus space based theories of attention in the design of the aircraft head-up display [AD-A281791] p 22 N95-11326
Age-related changes in sympathetic-adrenal medullary function: Relationship to age-related deficits in learning and memory [AD-A282122] p 17 N95-11337
The effects of various quality polarized lenses on color vision, stereopsis, visual acuity, and contrast sensitivity [AD-A282125] p 17 N95-11338
Examination of the processes underlying multilevel efficacy-performance spirals: A flight simulation study [AD-A282136] p 20 N95-11340
The impact of combined heat and noise on short-term retention [AD-A281744] p 20 N95-11570
Monitoring audiometry in hearing conservation programs [AD-A282024] p 83 N95-14145
A proposal to study gender differences in the rates of decompression sickness [AD-A281854] p 147 N95-16297
The effects of target orientation on the dynamic contrast sensitivity function [AD-A281855] p 169 N95-16298
Training visual pattern recognition: Using worked examples to aid schema acquisition [AD-A281859] p 169 N95-16299
Mental rotation with and without a concurrent task: Moderating effects of visuospatial ability [AD-A281866] p 169 N95-16301
Characterization of the fast-phase component of the vestibulo-ocular response [AD-A281830] p 147 N95-16360
Aviation spatial orientation in relationship to head position, attitude interpretation, and control [AD-A281869] p 170 N95-16433
Caffeine's influence on critical frequency thresholds [AD-A282005] p 173 N95-17447
Carbon monoxide does not modulate pulmonary vascular reactivity in isolated rat lungs [AD-A283190] p 143 N95-17714
Crosshift vibrometry: Biomarker for ergonomic stress [AD-A284337] p 180 N95-18385
A 3D stereo data visualization and representation [AD-A284788] p 261 N95-20064
Analysis of group performance in visual signal detection [AD-A289561] p 391 N95-26683
Enhanced visual user interface support for domain-oriented application composition systems [AD-A289337] p 400 N95-26737
An image quality analysis of ANVIS-6 night vision goggles [AD-A289398] p 401 N95-26883
Image perception wavelet simulation and enhancement for the visually impaired [AD-A289303] p 386 N95-26917
Experimental definition for implantation of the AFIT cortical multielectrode array [AD-A289216] p 386 N95-26991
Characterization and redesign of the AFIT multielectrode array [AD-A289295] p 386 N95-27039
Multiple model adaptive estimation and head motion tracking in a virtual environment: An engineering approach [AD-A289299] p 401 N95-27046
Factors in human-computer interface design (a pilot study) [AD-A288908] p 402 N95-27195
Evaluation of calibration parameters and performance of the video imaging technique of assessing exposure (VITAE system) [AD-A289023] p 493 N95-30998

Air Force Materiale Lab., Wright-Patterson AFB, OH.
Situation awareness: Papers and annotated bibliography [AD-A284752] p 173 N95-18084
The spatiotemporal characteristics of visual motion priming [AD-A284782] p 261 N95-20062

Air Force Materiel Command, Brooks AFB, TX.
Intelligent tutoring systems: Past, present, and future [AD-A280011] p 261 N95-19970

Air Force Occupational Measurement Center, Randolph AFB, TX.
Aerospace medicine [AD-A289691] p 385 N95-26763
Aerospace physiology AFSC 4M0X1 [AD-A294839] p 532 N95-34564

Air Force Systems Command, Bolling AFB, Washington, DC.
Aeromedical risk management for aircrew p 161 N95-19414

Air Force Systems Command, Wright-Patterson AFB, OH.
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage [AD-A289606] p 431 N95-29263
Wide field of view helmet display systems mounted for helicopter simulation [AD-A293123] p 524 N95-30888

Alabama A & M Univ., Normal, AL.
Genetic effects on heavy ions in drosophila [NASA-CR-197916] p 307 N95-22911

Alabama Univ., Birmingham, AL.
Cumulative effects of repeated brief cerebral ischemia [AD-A284234] p 210 N95-19698

Alabama Univ., Huntsville, AL.
Concentration and temperature effects on ovostatin activity p 144 N95-18997
Marshall Space Flight Center solid waste characterization and recycling improvement study [NASA-CR-196594] p 402 N95-27164

Alaska Univ., Anchorage, AK.
Selection of sanitation alternatives: A strategy for remote Alaskan communities p 25 N95-11618

Alaska Univ., Fairbanks, AK.
Simulation of arthroscopic surgery using MRI data
p 145 N95-15975
Allied-Signal Technical Services Corp., Houston, TX.
Developing an international astronaut team
p 20 N95-11607
American Association for Cancer Research, Philadelphia, PA.
Cellular responses to environmental DNA damage
[DE94-015606] p 249 N95-22397
Amsterdam Univ. (Netherlands).
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Analytic Sciences Corp., San Antonio, TX.
Ultrashort pulse laser effects in the primate eye
[AD-A295024] p 530 N95-34789
Argonne National Lab., IL.
Anaerobic metabolism of nitroaromatic compounds by sulfate-reducing and methanogenic bacteria
[DE94-013317] p 14 N95-11697
A photophysical control mechanism for zeaxanthin-associated radiationless energy dissipation in photosynthesis
[DE94-018383] p 245 N95-19969
Thorium-232 in human tissues: Metabolic parameters and radiation doses
[DE94-019275] p 251 N95-20074
Proposal for a tutorial on Minimal Length Encoding (MLE) in molecular biology
[DE94-015076] p 247 N95-21376
Discovering related DNA sequences via mutual information
[DE95-001101] p 249 N95-22067
Electrostatic basis for molecular recognition in photosynthesis
[DE95-002979] p 249 N95-22075
Activation of the jun-D gene in human myeloid cells by 1-(beta)-D-arabinofuranosylcytosine
[DE94-016591] p 307 N95-22912
Rearrangement of RAG-1 recombinase gene in radiation-sensitive wasted mice
[DE94-017083] p 308 N95-22913
A comparative study of the effects of clofibrate, ciprofibrate, WY-14,643, and di-(2-ethylhexyl)-phthalate on liver protein expression in mice
[DE94-016587] p 309 N95-23771
Contribution of ankyrin-band 3 complexes to the organization and mechanical properties of the membrane skeleton of human erythrocyte
[DE95-005835] p 352 N95-24427
Overview of selected molecular biological databases
[DE95-005906] p 346 N95-25181
Energy transfer in real and artificial photosynthetic systems
[DE95-005824] p 382 N95-27948
Parallel continuation-based global optimization for molecular conformation and protein folding
[DE95-005860] p 432 N95-30114
Arizona Univ., Tucson, AZ.
Thermal control systems for low-temperature heat rejection on a lunar base
[NASA-CR-197486] p 176 N95-16418
The chronic effects on JP-8 jet fuel exposure on the lungs
[AD-A280982] p 149 N95-16515
A model of the neural basis of the rat's sense of direction
[AD-A289678] p 381 N95-26761
Hippocampal place fields, the internal compass, and the learning of landmark stability
[AD-A289406] p 381 N95-27100
Armstrong Lab., Brooks AFB, TX.
Test and evaluation of the Impact Instrumentations, Inc. Uni-Vent model 750M ventilator
[AD-A292321] p 470 N95-28792
A discrete-event simulation model of myocardial electrical activity: Mathematical electrophysiology
[AD-A292323] p 448 N95-28793
Flying waivers for history of angioplasty and myocardial infraction
[AD-A292505] p 451 N95-29161
Astronaut selection (NASA-MIPR)
[AD-A292512] p 456 N95-29162
Using computerized neuropsychological testing to assess aviator skills
[AD-A293227] p 511 N95-30905
Forward rapid rotation shiftwork in USAF air traffic controllers: Sleep, activity, fatigue and mood analyses
[AD-A293448] p 493 N95-31373
Psychological pilot selection in the US Air Force, the Luftwaffe, and the German Aerospace Research Establishment
[AD-A293779] p 511 N95-31376
Simulation of oculomotor post-inhibitory rebound burst firing using a Hodgkin-Huxley model of a neuron
[AD-A293821] p 493 N95-31552
G-protection basis/acceleration physiology
p 538 N95-34051
Army Aeromedical Research Lab., Fort Rucker, AL.
Biomedical imaging
[AD-A282221] p 32 N95-12405
Dynamic sine wave response measurements of CRT displays using sinusoidal counterphase modulation
[AD-A282222] p 32 N95-12406
Aviation epidemiology data register: Cardiovascular disease screening outcomes in the North Dakota Army National Guard aviator cohort
[AD-A283064] p 33 N95-13054
Standards relevant to a NATO anthropometry survey using 3D imaging tools
[AD-A283065] p 39 N95-13055
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A284396] p 92 N95-15767
Aviation Epidemiology Data Register: Gender-specific attrition from the trained US Army aviator cohort of 1988
[AD-A284395] p 92 N95-15810
Aviation epidemiology data register: Age-specific medical and nonmedical attrition rates among Fort Rucker civilian aviators
[AD-A284970] p 146 N95-16132
Whole-body vibration assessment of the palletized load system
[AD-A285181] p 176 N95-16145
Whole-body vibration assessment of the M1070 heavy equipment transporter, volume 1
[AD-A285199] p 176 N95-16147
Aviation epidemiology data register: Coronary angiography outcomes of civilian aviators flying US aircraft
[AD-A285191] p 147 N95-16405
Visual perception in the field-of-view of partial binocular overlap helmet-mounted displays
[AD-A285213] p 170 N95-16520
Apache helicopter seat cushion evaluation
[AD-A284300] p 179 N95-17484
Design and development of an enhanced biodynamic manikin, phase 1
[AD-A284725] p 180 N95-18077
Collection of real-time, multichannel EEG data from helicopter pilots in flight: A feasibility study
[AD-A285050] p 212 N95-19564
Factors that determine visual acuity through night vision goggles for emmetropes
[AD-A279339] p 263 N95-21927
Temporary threshold shifts produced by high intensity freefield impulse noise in humans wearing hearing protection
[AD-A286289] p 267 N95-22045
Manikin integrated data acquisition system (MIDAS) initial modifications
[AD-A291662] p 403 N95-28667
Military flying and aeromedical evaluation of cardiac arrhythmias
[AD-A291595] p 449 N95-28940
Actual effectiveness of hearing protection in high level impulse noise
[AD-A291604] p 449 N95-28941
A comparison of the aeromedical administration requirements for US Air Forces and major allies
[AD-A290137] p 450 N95-29141
US Army aviation epidemiology data register: Gender-specific attrition among the US Army student aviator class of 1987
[AD-A291856] p 456 N95-29434
Luminance effects on visual acuity and small letter contrast sensitivity
[AD-A293310] p 511 N95-31140
OH-58 pilot display unit (PDU) simulated crash tests
[AD-A294049] p 539 N95-34378
Evaluating the potential for rotation and loss of flight helmets from inertia and impact loads
[AD-A294041] p 539 N95-34489
User acceptability and comfort of the communications earplug (CEP) when used in the UH-1 helicopter
[AD-A294047] p 539 N95-34492
Evaluation of a retrofit OH-58 pilot's seat to prevent back injury
[AD-A294895] p 539 N95-34574
Army Armament Research, Development and Engineering Center, Watervliet, NY.
How the brain works
[AD-A279138] p 263 N95-21968
Army Medical Center, Aurora, CO.
Analysis of wounds by evaporative water loss in man
[AD-A290327] p 450 N95-29086
Army Medical Dept. Center and School, Fort Sam Houston, TX.
Development of an acuity-based nurse staffing system for the post anesthesia care unit
[AD-A288831] p 384 N95-26494
Army Medical Research and Development Command, Fort Detrick, MD.
Human fluid balance and dehydration during cold weather military operations
[AD-A289192] p 453 N95-29757
Tri-service perspectives on microclimate cooling of protective clothing in the heat
[AD-A294005] p 538 N95-34370
Army Medical Research Inst. of Chemical Defense, Aberdeen Proving Ground, MD.
Development of an in vitro model assay system for the evaluation of the effects of toxic chemicals on human airways
[AD-A285074] p 148 N95-16491
A study to determine the critical characteristics for mice in a newly designed whole body toxic gas exposure module
[AD-A285085] p 143 N95-17666
Army Medical Research Unit (Europe).
Psychosocial stress and mental health in a forward-deployed military community
[AD-A285940] p 263 N95-22323
Assessing post traumatic stress disorder and PTSD symptomatology in US Army personnel
[AD-A285941] p 263 N95-22324
Army Natick Labs., MA.
Personal hygiene body wipe
[AD-A286092] p 267 N95-22274
Effect of hyperbaric carbon dioxide on spores and vegetative cells of bacillus stearothermophilus
[AD-A280115] p 309 N95-23251
Army Natick Research and Development Command, MA.
Evaluation of laser-protective eyewear dyes in UVEX lenses
[AD-A290076] p 403 N95-28390
An analysis of anthropometric differences among occupational groups in the US Army
[AD-A292326] p 470 N95-28794
Army Research Inst. for the Behavioral and Social Sciences, Alexandria, VA.
The effect of response format on reliability estimates for tacit knowledge scales
[AD-A283547] p 94 N95-15326
Creation of new items and forms for the Project A Assembling Objects test
[AD-A285522] p 174 N95-18095
Army Research Inst. of Environmental Medicine, Natick, MA.
Evaluation of a newly-designed, dynamic knee extension device for the study of muscle fatigue in humans
[AD-A284974] p 147 N95-16228
Increased skin blood flow and enhanced heat loss in humans after niacin ingestion
[AD-A281124] p 157 N95-16809
Design concepts for an integrated environmental medicine workstation for prediction, simulation and training
[AD-A283686] p 159 N95-18618
Distributed medical database system for real-time monitoring of the health and risk exposure of military research study volunteers at USARIEM
[AD-A279193] p 211 N95-19811
Annual historical report, calendar year 1993
[AD-A280178] p 211 N95-19827
Sustaining the health and performance of soldiers/warfighters deployed to harsh environments
[AD-A286270] p 257 N95-22004
Performance enhancing ration components program: Supplemental carbohydrate test
[AD-A288560] p 400 N95-26558
General procedure for clothing evaluations relative to heat stress
[AD-A294953] p 539 N95-34577
Army Research Lab., Aberdeen Proving Ground, MD.
Preliminary analysis of Army aircrew requirements for Joint Surveillance Target Attack Radar System (JSTARS): Human performance requirements and job demands
[AD-A284917] p 104 N95-15759
Evaluation of stress experienced by soldiers wearing chemical protective clothing during varying work loads in desert or tropical environments
[AD-A280113] p 264 N95-20625
Gloved operator performance study. The effects of hand wear and elastic resistance of a control during tracking performance
[AD-A289405] p 402 N95-27099
A comparison of monocular, biocular, and binocular night vision goggles for traversing off-road terrain on foot
[AD-A294018] p 538 N95-34376

Army Research Lab., White Sands Missle Range, NM.
Night Vision Goggles (NVG) software user's guide, version 5.1
[AD-A284563] p 179 N95-18029
Army Tank-Automotive Command, Warren, MI.
Ride motion simulator (RMS) testing using human occupants
[AD-A292641] p 471 N95-29378
Artificial Reality Corp., Vernon, CT.
A two dimensional artificial reality p 101 N95-14052
Australian Nuclear Science and Technology Organisation, Canberra (Australia).
The use of radioisotopes in human experiments: Comments in response to recent media articles
[DE95-605680] p 354 N95-25981
Austrian Road Safety Board (Austria).
Towards a framework of human factors certification of complex human-machine systems p 542 N95-34779

B

Baldwin International Services, Heflingen (Luxembourg).
The successful management of programs for human factors certification of advanced aviation technologies p 543 N95-34780
Battelle Memorial Inst., Research Triangle Park, NC.
Theoretical prediction of vibrational circular dichroism spectra of R-glyceraldehyde, R-erythrose, and R-threose. Part 2: Development of a procedure to scale the force constant matrix expressed in terms of internal coordinates
[AD-A284305] p 245 N95-20252
Baylor Coll. of Medicine, Houston, TX.
The influence of space flight on erythrokinetics in man. Space Life Sciences Missions 1 and 2. Experiment E261
[NASA-CR-188368] p 449 N95-28875
Immunological protection against botulinum neurotoxin by a synthetic vaccine
[AD-A294146] p 533 N95-34754
BBN Systems and Technologies Corp., Cambridge, MA.
Pilot opinions on high level flight deck automation issues: Toward the development of a design philosophy
[NASA-CR-4669] p 393 N95-28253
Belgian Air Force, Brussels (Belgium).
The way to waivers in the BAF p 161 N95-19415
Benson (Robert H.), Springfield, VA.
Life Sciences Centrifuge Facility assessment
[NASA-CR-196848] p 30 N95-13423
Microgravity Sciences Biotechnology Facility assessment
[NASA-CR-196602] p 382 N95-27329
Biodynamic Research Corp., San Antonio, TX.
Modeling respiratory gas dynamics in the aviator's breathing system, volume 1
[AD-A281250] p 22 N95-10728
Modeling respiratory gas dynamics in the aviator's breathing system, volume 2
[AD-A281932] p 22 N95-11357
Modeling platform dynamics and physiological response to short arm centrifugation
[AD-A279640] p 252 N95-20457
Boeing Defense and Space Group, Seattle, WA.
Interactive multimedia presentation for applied computer tomography: Impact
[AD-A291955] p 470 N95-29020
Boston Univ., Boston, MA.
Auditory interfaces: The human perceiver p 96 N95-14015
Neural models of motion perception
[AD-A286560] p 262 N95-20845
Bracken (T. Dan), Inc., Portland, OR.
Electric and magnetic fields in a magnetic resonance imaging facility: Measurements and exposure assessment procedures
[PB94-174489] p 16 N95-10221
Brandeis Univ., Waltham, MA.
Conformation of membrane proteins: Bacteriorhodopsin
[AD-A281282] p 30 N95-13373
Intersensory coordination p 97 N95-14020
Brigham and Women's Hospital, Boston, MA.
Developing Guided Search 3.0. The next generation of a model visual search
[AD-A283956] p 93 N95-14369
Brookhaven National Lab., Upton, NY.
The effects on photosynthetic CO2 assimilation to long-term elevation of atmospheric CO2 concentration: An assessment of the response of Trifolium Repens L. CV. Blanca grown at F.A.C.E
[DE95-005687] p 347 N95-25383
Bunka Women's Univ. (Japan).
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
Bureau Enquetes Accidents, Paris (France).
Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785

C

Calhoun Community Coll., Decatur, AL.
Capillary electrophoresis: Biotechnology for separation of DNA and chromosomes p 144 N95-19014
California Inst. of Tech., Pasadena, CA.
Large-scale neuronal theories of the brain
[AD-A290200] p 450 N95-29059
California Polytechnic State Univ., San Luis Obispo, CA.
Coordination of human upper arm and forearm motion in rapid extensions p 101 N95-14056
California Univ., Berkeley, CA.
Varieties of virtualization p 98 N95-14036
Computer based analysis and synthesis of retinal function
[AD-A286084] p 253 N95-20811
Spatio-temporal masking in human vision and its application to image coding
[AD-A284949] p 264 N95-22473
Computer models of retinal function
[AD-A290156] p 449 N95-29022
California Univ., Berkeley. Lawrence Berkeley Lab, CA.
Comparison of the rate constants for energy transfer in the light-harvesting protein, C-phycocyanin, calculated from Foerster's theory and experimentally measured by time-resolved fluorescence spectroscopy
[DE94-014961] p 306 N95-22590
Mutagenesis in human cells with accelerated H and Fe ions
[NASA-CR-198599] p 382 N95-28177
California Univ., Davis, CA.
Consequences of prolonged inhalation of ozone on Fischer-344/N rats: Collaborative studies. Part 1: Content and cross-linking of lung collagen
[PB94-182748] p 30 N95-13176
Some genetic aspects of adaptation to hyperdynamic environments p 86 N95-15100
The regulation of rat activity following exposure to hyperdynamic fields p 45 N95-15133
Failure of ozone and nitrogen dioxide to enhance lung tumor development in hamsters
[PB94-182654] p 142 N95-16801
California Univ., Irvine, CA.
Synaptic plasticity and memory formation
[AD-A284926] p 168 N95-16138
California Univ., La Jolla, CA.
Adaptation of skeletal muscle to spaceflight: Cosmos rhesus project. Cosmos 2044 and 2229
[NASA-CR-197041] p 42 N95-14796
California Univ., Los Angeles, CA.
Measurement and modification of the EEG and related behavior p 99 N95-14038
A cognitive architecture for solving ill-defined problems
[AD-A293582] p 512 N95-31686
Multiobjective optimization of hybrid regenerative life support technologies. Topic D: Technology Assessment
[NASA-CR-199125] p 536 N95-32688
California Univ., San Diego, La Jolla, CA.
Extrathalamic modulation of cortical responsiveness
[AD-A284100] p 158 N95-18400
Skeletal muscle ischemia and heat shock proteins
[AD-A285364] p 252 N95-20549
California Univ., San Francisco, CA.
Molecular probes of gating and open channel conformational transitions of mechanosensitive ion channels
[AD-A291170] p 453 N95-29927
California Univ., Santa Cruz, CA.
Space constancy on video display terminals
[AD-A280015] p 261 N95-20314
Carnegie Institution of Washington, Stanford, CA.
The Use of Cyanobacteria to Explore Basic Biological Processes
[DE94-019238] p 248 N95-22066
Carnegie-Mellon Univ., Pittsburgh, PA.
The GOMS family of analysis techniques: Tools for design and evaluation
[AD-A285211] p 170 N95-16518
Integrating human factors with software engineering practices
[AD-A285210] p 178 N95-16813
Assessment of the ACSE science learning environment and the impact of movies and simulations
[AD-A284071] p 175 N95-19068
A database for analyzing sequential behavioral data and their associated cognitive models
[AD-A280061] p 260 N95-19887
Multi-agent perception for Human/Robot interaction: A framework for intuitive trajectory modification
[AD-A289399] p 401 N95-26884
Using virtual active vision tools to improve autonomous driving tasks
[AD-A289175] p 392 N95-27013
Visual tracking of self-occluding articulated objects
[AD-A292894] p 511 N95-31383
Human-computer interaction (HCI) specialization track Masters of Software Engineering (MSE) program
[AD-A292895] p 525 N95-31401
Force and vision resolvability for assimilating disparate sensory feedback
[AD-A293581] p 512 N95-31685
Center for Engineering Applications, Memphis, TN.
Man-machine interfaces in health care p 97 N95-14029
Centre d'Enseignement et de Recherches de Medecine Aeronautique, Bretigny (France).
Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112
Enhancement of insulin receptor mediated endocytosis in cultured osteoblastic cells under hypergravity p 46 N95-15148
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Effect of increased venous backflow on the release of cardiac hormone. Fine structural, immunohistochemical, and biochemical study
[PB95-130399] p 255 N95-21424
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Study of pulsed laser effects on living tissues
[PB95-131330] p 258 N95-22361
Thermal and vascular changes induced by the acclimation of the extremities to cold in man
[PB95-131587] p 351 N95-24310
Centre National d'Etudes Spatiales, Toulouse (France).
Robotic experiment with a force reflecting handcontroller onboard MIR space station p 315 N95-23707
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Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
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Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
CERB, Baugy (France).
Twenty four hours head-down tilt decreases arterial baroreflex function in conscious rat p 43 N95-15098
Civil Aviation Administration (Sweden).
Presentation of a Swedish study program concerning recruitment, selection and training of student air traffic controllers: The MRU project phase 1 p 535 N95-34775
CHI Systems, Inc., Spring House, PA.
The advanced technology crew station: Development and validation of a workload assessment technique for cockpit function allocation
[AD-A279544] p 286 N95-21691
Chicago Univ., Chicago, IL.
Phase-shifting effects of light and activity on the human circadian clock
[AD-A281204] p 156 N95-16796
Qualitative vision and action
[AD-A282697] p 179 N95-16966
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A283180] p 158 N95-17342
Basic mechanisms and implications of non-photic entrainment of circadian rhythmicity
[AD-A288433] p 385 N95-26779
Civil Aeromedical Inst., Oklahoma City, OK.
Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
Elimination of quinine in two subjects after ingestion of tonic water: An exploratory study
[DOT/FAA/AM-94/16] p 31 N95-11702
Age 60 Rule research. Part 1: Bibliographic database
[DOT/FAA/AM-94/20-PT-1] p 35 N95-13019
Age 60 Rule. Part 2: Airline pilot age and performance. A review of the scientific literature
[DOT/FAA/AM-94/21-PT-2] p 35 N95-13020
Age 60 Rule. Part 3: Consolidated database experiments
[DOT/FAA/AM-94/22-PT-3] p 92 N95-13715

Some performance effects of age and low blood alcohol levels on a computerized neuropsychological test
[DOT/FAA/AM-95/7] p 312 N95-23788
Effects of age and low doses of alcohol on compensatory tracking during angular acceleration
[DOT/FAA/AM-95/3] p 312 N95-23934
Functions of external cues in prospective memory
[DOT/FAA/AM-95/9] p 313 N95-24088
A longevity and survival analysis for a cohort of retired airline pilots
[DOT/FAA/AM-95/5] p 354 N95-24237
An assessment of aviation accident risk of aphakic civil airmen by class of medical certificate held and by age: 1982-1985
[DOT/FAA/AM-95/11] p 353 N95-25336
Sleep patterns in air traffic controllers working rapidly rotating shifts: A field study
[DOT/FAA/AM-95/12] p 354 N95-26204
Enhancing the effects of diversity awareness training: A review of the research literature
[DOT/FAA/AM-95/10] p 391 N95-26361
Practical color vision tests for air traffic control applicants: En route center and terminal facilities
[DOT/FAA/AM-95/13] p 393 N95-27323

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Development and computer implementation of design/analysis techniques for multilayered composite structures. Probabilistic fiber composite micromechanics
[NASA-CR-198979] p 524 N95-31134

Coast Guard, Washington, DC.
Crew adaptation evaluation of the Norwegian Crew Concept (NOROREW)
[AD-A288478] p 401 N95-27058

Colorado School of Mines, Golden, CO.
Use of the underground for extreme environments
p 24 N95-11610

Colorado State Univ., Fort Collins, CO.
Ethylene dynamics in the CELSS biomass production chamber p 143 N95-18179
Cellular neurophysiology of the rat suprachiasmatic nucleus: Electrical properties, neurotransmission, and mechanisms of synchronization
[AD-A284111] p 143 N95-18439

Colorado Univ., Boulder, CO.
Commercial investigation results for the generic bioprocessing apparatus flown on United States Microgravity Laboratory-1 p 42 N95-14227
BioServe space technologies: A NASA Center for the Commercial Development of Space
[NASA-CR-196983] p 141 N95-16034
Optimizing the long-term retention of skills: Structural and analytic approaches to skill maintenance
[AD-A293798] p 512 N95-31585
Effects of gravity and light on plant growth and performance in normal and reduced gravity
p 529 N95-32901

Columbia Univ., New York, NY.
Visual perception of elevation
[AD-A284938] p 263 N95-22472
Diffusible driving and coupling signals of the biological clock
[AD-A285353] p 258 N95-22475

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Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522

Computer Technology Associates, Inc., McKee City, NJ.
Visual and auditory symbols: A literature review
[AD-A290222] p 472 N95-29908

Conrad Technologies, Inc., King of Prussia, PA.
Development of injury preventing helmet servo-support system for high performance aircraft
[AD-A289547] p 401 N95-26755

Cybernet Systems Corp., Ann Arbor, MI.
Implementation issues for a compact 6 degree of freedom force reflecting handcontroller with cueing of modes p 100 N95-14050

D

Dalhousie Univ., Halifax (Nova Scotia).
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[AD-A280981] p 148 N95-16484

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[PB94-206885] p 254 N95-21016

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p 85 N95-15090

Dayton Univ., OH.
Distance estimation training with night vision goggles: A preliminary study
[AD-A284900] p 104 N95-15755
Distance estimation training with night vision goggles under low illumination
[AD-A291338] p 472 N95-29943
Human piloting factors in the design of control laws for precision landing p 537 N95-33605

Dayton Univ. Research Inst., OH.
An empirical approach to visual display preference based upon modulation transfer function and luminance
[AD-A285450] p 178 N95-16875
Aviator's night vision imaging system preflight adjustment/assessment procedures
[AD-A285829] p 313 N95-22513

Defence and Civil Inst. of Environmental Medicine, Downsview (Ontario).
Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151
Thermal resistance of the cheek in cold air
[AD-A286257] p 256 N95-22001

Defence and Civil Inst. of Environmental Medicine, North York (Ontario).
Methods for measuring physiological responses and protection in man exposed to high +G(z)
p 532 N95-34058

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[AD-A279667] p 252 N95-20602

Department of Energy, Washington, DC.
Activities of the Division of Energy Biosciences
[DE95-001046] p 208 N95-19613
The development and applications of biomarkers
[DE94-014249] p 306 N95-22589
Human radiation experiments: The Department of Energy roadmap to the story and the records
[DE95-006364] p 354 N95-25371
Summaries of fiscal year 1994 projects in medical applications and biophysical research
[DE95-010405] p 487 N95-32040

Department of the Air Force, Brooks AFB, TX.
To develop an aerosoling immunomagnetic device for rapid medical diagnosis from clinical samples
[AD-A288504] p 386 N95-27059
Aeromedical impact of the transportable pressure ventilator in wartime aeromedical evacuation
p 471 N95-29624
New advances in physiological measurements during high-G: Technology p 532 N95-34057
G-protection capabilities and current G-protection issues p 538 N95-34060

Department of the Air Force, Scott AFB, IL.
Care in the air: A system analysis of clinical outcomes in aeromedical evacuation p 472 N95-29626

Department of the Air Force, Wright-Patterson AFB, OH.
Design and integration issues of visually-coupled evaluation
[AD-A293521] p 525 N95-31538
Vertical impact testing of two helmet-mounted night vision systems
[AD-A293055] p 525 N95-31671

Department of the Navy, Washington, DC.
Occupant reach and mobility apparatus
[AD-D016253] p 267 N95-22099
Releaseable unconstrained inflatable body protector
[AD-D017350] p 524 N95-30552

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Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions
p 528 N95-32724
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730

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Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity
p 90 N95-15138

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Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137

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[PB95-131330] p 258 N95-22361
Interrelations between nervous system and immune system in stress situations
[PB95-135521] p 311 N95-22770
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[PB95-208328] p 491 N95-30494

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Advanced automated glass cockpit certification: Being wary of human factors p 544 N95-34786

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p 165 N95-19430

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[AD-A279898] p 264 N95-20562

E

East Carolina Univ., Greenville, NC.
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[AD-A286078] p 253 N95-20850
Preclinical investigation of lyophilized platelet preparations
[AD-A286079] p 254 N95-20851

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[AD-A280435] p 83 N95-13971

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[AD-A280556] p 29 N95-12614

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p 24 N95-11609
Human Factors Certification of Advanced Aviation Technologies
[NASA-CR-199009] p 540 N95-34764
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[AD-A285476] p 254 N95-20979

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p 541 N95-34768
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p 541 N95-34769

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[AD-A281439] p 33 N95-13177

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p 101 N95-14055

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[DOT/FAA/AM-94/13] p 19 N95-10144
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[AD-A285666] p 38 N95-12354
The applicability of commercial glare test devices in the aeromedical certification of pilot applicants
[DOT/FAA/AM-94/15] p 83 N95-14176
Unreported medications used in incapacitating medical conditions found in fatal civil aviation accidents
[DOT/FAA/AM-94/14] p 84 N95-14177
The potential for pulmonary heat injury resulting from the activation of a cabin water spray system to fight aircraft cabin fires
[DOT/FAA/AM-95/17] p 451 N95-29224
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[DOT/FAA/AM-95/19] p 456 N95-29261
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p 540 N95-34767
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Development of the chick's auditory ossicle, the columella p 44 N95-15115
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Florida Univ., Gainesville, FL.
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[NASA-CR-196428] p 14 N95-11218
Destabilizing effects of visual environment motions simulating eye movements or head movements
p 103 N95-14061
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[AD-A284055] p 160 N95-18661
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p 44 N95-15118
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[DOT/FAA/AM-95/14] p 402 N95-27696
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[AD-A293788] p 512 N95-31583
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p 25 N95-11616
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[DE95-006484] p 431 N95-29471
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[NASA-CR-197521] p 179 N95-16894
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[AD-A285055] p 252 N95-20485
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[DE95-002899] p 246 N95-20917
Nitrogen control of chloroplast differentiation
[DE95-002797] p 247 N95-21526
Structures and functions of oligosaccharins
[DE95-003195] p 249 N95-22220
Structural studies of complex carbohydrates of plant cell walls
[DE95-003099] p 310 N95-24075
Structures and functions of oligosaccharins
[DE95-003140] p 345 N95-24225
Structural studies of complex carbohydrates of plant cell walls
[DE95-005545] p 345 N95-24368
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[AD-A286807] p 348 N95-26193
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[AD-A293327] p 492 N95-30924
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Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations p 166 N95-19436
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[AD-A282450] p 169 N95-16377
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[AD-A284023] p 160 N95-18656
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p 43 N95-15103
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[AD-A286247] p 161 N95-19384
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[AD-A286248] p 161 N95-19385
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[AD-A286245] p 257 N95-22027
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[HTN-95-B0114] p 398 A95-85930
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[NASA-TM-109927] p 314 N95-23194
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Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
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Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions p 529 N95-32729
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[NASA-CR-196983] p 141 N95-16034
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Skeletal muscle responses to unloading in humans p 150 N95-16743
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[AD-A284843] p 210 N95-19695
Keimyung Univ., Taegu (Republic of Korea).
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Kent State Univ., OH.
On the development of an expert system for wheelchair selection p 214 N95-19627
Kentucky Univ., Lexington, KY.
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[DE95-613356] p 524 N95-31267
Krug Life Sciences, Inc., Houston, TX.
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Simulation of the fluid retention effects of a vasopressin analog using the Guyton model of circulation p 89 N95-15130
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
A prototype Crew Medical Restraint System (CMRS) for Space Station Freedom p 177 N95-16773
Delivery of cardiopulmonary resuscitation in the microgravity environment p 155 N95-16774
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777
Krug Life Sciences, Inc., San Antonio, TX.
Effect of rate of heat gain on selected serum enzymes in rhesus monkeys
[AD-A280861] p 13 N95-10920
A study of heart rate and heart rate variability during rapid decompression to 50,000 ft
[AD-A291598] p 388 N95-28561

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A mathematical model of the cardiovascular response to +Gz acceleration p 87 N95-15110
Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
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Lamar Univ., Beaumont, TX.
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[NASA-CR-196774] p 23 N95-11386
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[DE94-012236] p 95 N95-13671
Quantitative evaluation of wrist posture and typing performance: A comparative study of 4 computer keyboards
[DE95-002392] p 265 N95-21358
Ergonomic evaluation of the Apple Adjustable Keyboard
[DE95-002393] p 266 N95-21637
How health risk from radiation is assessed
[DE95-003477] p 311 N95-23142
Automated integration of genomic physical mapping data via parallel simulated annealing
[DE95-008057] p 382 N95-27725
Long-range eye tracking: A feasibility study
[DE95-008587] p 393 N95-28176
Automated volumetric grid generation for finite element modeling of human hand joints
[DE95-009575] p 494 N95-32097
Implementation and performance of the pseudoknot problem in Sisal
[DE95-009573] p 487 N95-32358
Functional requirements analysis and human machine interface specifications for handheld metal detector wands
[DE95-009845] p 536 N95-32535
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[DE95-011748] p 530 N95-33654
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[NASA-CR-198048] p 352 N95-24410
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[NASA-CR-197980] p 379 N95-26727
Regional differences in lectin binding patterns of vestibular hair cells p 380 N95-26728
Hair cell regeneration in the bullfrog vestibular otolith organs following aminoglycoside toxicity p 380 N95-26729
Peripheral innervation patterns of vestibular nerve afferents in the bullfrog utriculus p 380 N95-26730

Comparative transduction mechanisms of hair cells in the bullfrog utriculus. 1: Responses to intracellular current p 380 N95-26731
Comparative transduction mechanisms of hair cells in the bullfrog uticulus. 2: Sensitivity and response dynamics to hair bundle displacement p 381 N95-26732
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[NASA-CR-197845] p 393 N95-27697

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Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems
p 544 N95-34787

Lockheed Engineering and Sciences Co., Washington, DC.
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[NASA-CR-197657] p 471 N95-29180

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[AD-A284750] p 176 N95-16553

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[AD-A286654] p 265 N95-20973

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[DE95-000859] p 247 N95-21366
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[DE94-017796] p 248 N95-22065
Flow cytometry: A powerful technology for measuring biomarkers
[DE94-018284] p 249 N95-22296
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[DE95-003265] p 352 N95-24497
Staurosporine analysis and its pharmacokinetics in the blood of rats
[DE94-013857] p 346 N95-24600
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[DE95-005238] p 386 N95-27426

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[NASA-CR-196846] p 29 N95-12941
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[PB94-182748] p 30 N95-13176
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[PB95-141495] p 353 N95-24863

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[AD-A290263] p 451 N95-29173
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[AD-A292829] p 493 N95-31446

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[AD-A285845] p 262 N95-20393

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[AD-A290501] p 531 N95-33200

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[AD-A281284] p 35 N95-13375
The synthesis of vision and action
[AD-A285453] p 174 N95-18094
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p 143 N95-18173
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[AD-A289502] p 391 N95-26843

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[AD-A284167] p 159 N95-18512

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[AD-A282367] p 34 N95-11942
Visual interfaces: The human perceiver
p 96 N95-14014
Tactual interfaces: The human perceiver
p 96 N95-14016
Interacting with virtual worlds p 98 N95-14032
Tactile discrimination and representations of texture, shape, and softness p 99 N95-14041
A high performance two degree-of-freedom kinesthetic interface p 99 N95-14042
Manual discrimination of force p 102 N95-14057
Implementation of a three degree of freedom, motor/brake hybrid force output device for virtual environment control tasks p 102 N95-14058
Human factors considerations for remote manipulation
p 103 N95-14949
Viewer-centered object recognition in monkeys
[AD-A279876] p 245 N95-20185
Genetic and biophysical studies of the photosynthetic reaction center
[DE95-004179] p 346 N95-24850
The dependence of human reliability upon task information content
[DE95-006645] p 357 N95-25483
Proceedings of the 11th congress of the international society for artificial cells, blood substitutes and immobilization biotechnology
[AD-A290342] p 431 N95-29088
Interaction and intelligent behavior
[AD-A290049] p 457 N95-29443
The virtual sailor: Synthetic humans for virtual environments
[AD-A293560] p 534 N95-34610

Massachusetts Univ. Medical Center, Worcester, MA.
Studies of altered response to infection induced by severe injury
[AD-A288907] p 450 N95-29139

Materials Research Labs., Ascot Vale (Australia).
Evaluation of Pureau water for use as emergency drinking water for ADF aircraft
[MRL-TN-648] p 181 N95-19502

MATRA Marconi Space, Toulouse (France).
Formalizing procedures for operations automation, operator training and spacecraft autonomy
p 315 N95-23720

Mayo Clinic, Rochester, MN.
Operational requirements for avoidance and eventual elimination of Gz-induced Loss Of Consciousness (G-LOC) in flight p 89 N95-15127

Mayo Foundation, Rochester, MN.
Mechanisms of hypertension after cross-linked hemoglobin blood-substitute transfusion
[AD-A289558] p 385 N95-26680

McGill Univ., Montreal (Quebec).
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
Analysis of the human operator subsystems
p 97 N95-14019
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040

Mechanical Technology, Inc., Latham, NY.
Interactive Computer-Enhanced Remote Viewing System (ICERVS): Subsystem design report, phase 2
[DE94-014513] p 104 N95-15309

Michigan State Univ., East Lansing, MI.
The role of chemical inhibition of gap junctional intercellular communication in toxicology
[AD-A282452] p 147 N95-16378
Effective team performance under stress and normal conditions: An experimental paradigm, theory and data for studying team decision making in hierarchical teams with distributed expertise
[AD-A284683] p 175 N95-18530
Electrical and electronic properties of self-assembled lipid bilayers
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Erect, neutral and slump sitting postures: A study of the torso linkage system from shoulder to hip joint
[AD-A293239] p 524 N95-30807

Michigan Univ., Ann Arbor, MI.
EPIC computational models of psychological refractory-period effects in human multiple-task performance
[AD-A280924] p 83 N95-14142
The EPIC architecture for modeling human information-processing and performance: A brief introduction
[AD-A280762] p 176 N95-16119
Estimating the benefits of personnel selection and classification: An extension of the Brogden table
[AD-A285674] p 173 N95-17175
Radiopharmaceuticals for diagnosis
[DE95-002200] p 256 N95-21595
Biological determinants of photobioreactor design
[DE94-016032] p 306 N95-22872

Ministry of International Trade and Industry, Tsukuba (Japan).
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
Development of Advanced Robotic Hand System for space application p 314 N95-23704

Minnesota Univ., Minneapolis, MN.
Cognitive/self-regulatory aptitudes and instructional methods for complex skill learning
[AD-A280937] p 20 N95-10536
An overview of underground space as an extreme environment p 24 N95-11611
On the role of exchange of power and information signals in control and stability of the human-robot interaction
p 101 N95-14051
Hemoglobin-based blood substitutes and enhanced susceptibility to bacterial infections
[AD-A281023] p 148 N95-16444
Improving problem-solving and decision-making skills under stress: Prediction and training
[AD-A292104] p 455 N95-28918
Coupling of brain muscarinic receptors to second messengers
[AD-A290498] p 450 N95-29153

Morgan State Univ., Baltimore, MD.
Germination, growth rates, and electron microscope analysis of tomato seeds flown on the LDEF
p 309 N95-23821

Moscow Inst. of Aviation Technology (USSR).
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139

Mount Holyoke Coll., South Hadley, MA.
The role of the vestibular system in manual target localization p 533 N95-32422

Mount Sinai School of Medicine, New York, NY.
Reduction of ocular counter-rolling by adaptation to space
[NASA-CR-196279] p 32 N95-12376

N

National Academy of Sciences - National Research Council, Houston, TX.
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone
p 151 N95-16745

National Academy of Sciences - National Research Council, Washington, DC.
Meeting the nation's needs for biomedical and behavioral scientists
[LC-94-66477] p 28 N95-12310

National Advanced Robotics Research Centre, Salford, Lancashire (England).
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060

National Aeronautics and Space Administration, Washington, DC.
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
Production and action of cytokines in space
[ISBN 0-08-042485-6] p 2 A95-60633
Pituitary cells in space
[ISBN 0-08-042485-6] p 3 A95-60638
Formation and vesiculation of biomembranes during spaceflight
[ISBN 0-08-042485-6] p 4 A95-60645
Progress in plant research in space
[ISBN 0-08-042485-6] p 5 A95-60652
Clover development during spaceflight: A model system
[ISBN 0-08-042485-6] p 6 A95-60653
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight
[ISBN 0-08-042485-6] p 7 A95-60659
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
Early development of Xenopus embryos is affected by simulated gravity
[ISBN 0-08-042485-6] p 7 A95-60661
Graviceptor development in jellyfish ephyrae in space and on Earth
[ISBN 0-08-042485-6] p 9 A95-60669
Formation of otoconia in the Japanese red-bellied newt, Cynops pyrrhogaster
[ISBN 0-08-042485-6] p 9 A95-60670
Immunolocalization of an annexin-like protein in corn
[ISBN 0-08-042485-6] p 10 A95-60672
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[ISBN 0-08-042485-6] p 15 A95-60678
Influence of gravity on the circadian timing system
[ISBN 0-08-042485-6] p 11 A95-60682
Educational opportunities within the NASA specialized center of research and training in gravitational biology
[ISBN 0-08-042485-6] p 12 A95-60687
NASA's Space Life Sciences Training Program
[ISBN 0-08-042485-6] p 12 A95-60689
Life in the Universe: Foundation for exciting multidisciplinary science activities for middle and elementary school classes
[ISBN 0-08-042485-6] p 12 A95-60690
Effect of resistance training on muscle use during exercise
[HTN-95-10082] p 53 A95-61933
Inhomogeneity of pulmonary ventilation during sustained microgravity as determined by single-breath washouts
[HTN-95-10090] p 55 A95-61941
ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993
[HTN-95-40049] p 105 A95-63744
The meteoritic record of presolar and early solar system organic chemistry p 183 A95-63755
Ultraviolet photochemistry of cyanoacetylene: Application to Titan p 110 A95-63774
A novel computational method to simulate non-enzymatic self-replication p 114 A95-63800
Oligomerization of mononucleotides on montmorillonite: A potential approach to the prebiotic synthesis of RNA p 115 A95-63802
Template properties of oligocytidylates formed in the montmorillonite catalyzed condensation of ImpC p 116 A95-63808
Effect of leaving group on the oligomerization of 5'-AMP on montmorillonite p 121 A95-63834
Evidence that the protocell was also a protoneuron p 126 A95-63854
Exobiology opportunities from Discovery-class missions p 184 A95-63890
Double layer hydroxide minerals as host structures for bioorganic molecules p 135 A95-63896
Phosphate microaggregates in Archean sediments p 135 A95-63897
Future NASA plans for exobiology and solar system exploration p 186 A95-63900
The potential for prebiotic synthesis in hydrothermal systems p 138 A95-63915
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Toward the detection of pure carbon clusters in the Interstellar Medium (ISM) p 189 A95-66754
Organic molecules in the gas phase of dense interstellar clouds p 189 A95-66755
Characteristics and formation of amino acids and hydroxy acids of the Murchison meteorite p 190 A95-66762
Stable isotope analysis at the molecular level: A new approach for determining the origins of amino acids in the Murchison meteorite p 190 A95-66763
Site selection for Mars exobiology p 215 A95-66771
Designing planetary protection into the Mars observer mission p 217 A95-66786
Surface-atmosphere interactions on Titan compared with those on the pre-biotic Earth p 193 A95-66793
Analytical pyrolysis experiments of Titan aerosol analogues in preparation for the Cassini Huygens mission p 193 A95-66797
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
Interleukin-2 therapy reverses some immunosuppressive effects of skeletal unloading
[HTN-95-A0113] p 198 A95-68896
Higher order statistics of planetary gravities and topographies
[HTN-95-20761] p 268 A95-71121
The limits of template-directed synthesis with nucleoside-5'-phosphoro(2-methyl)imidazolides
[HTN-95-A0476] p 230 A95-72547
Catalysis and prebiotic RNA synthesis
[HTN-95-A0479] p 231 A95-72550
Is ligation the only solution to the pyrophosphate problem?
[HTN-95-A0480] p 231 A95-72551
Experimental investigation of an RNA sequence space
[HTN-95-A0484] p 231 A95-72555
Applicability of PM3 to transphosphorylation reaction path: Toward designing a minimal ribozyme
[HTN-95-A0487] p 232 A95-72558
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure
[HTN-95-50877] p 239 A95-73067
Microvascular responses to body tilt in cutaneous maximus muscle of conscious rats
[HTN-95-50887] p 242 A95-73077
Effect of microgravity on collagenase deprotoeinization and EDTA decalcification of bone fragments
[HTN-95-80712] p 250 A95-73284
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
Research in free-flying robots and flexible manipulators at the Stanford Aerospace Robotics Laboratory p 356 A95-80397
The effects of rM-CSF and rIL-6 therapy on immunosuppressed antiorthostatically suspended mice
[HTN-95-00430] p 327 A95-81947
Development of the gravity-sensing organs in the Japanese red-bellied newt, Cynops pyrrhogaster p 363 A95-82612
Meeting human needs
[AAS PAPER 91-313] p 457 A95-87470
Theories and models on the biological of cells in space p 408 A95-87486
Cellular responses to endogenous electrochemical gradients in morphological development p 408 A95-87489
Crustaceans as a model for microgravity-induced muscle atrophy p 413 A95-87515
Critical issues for space life sciences p 436 A95-88559
Prebiotic polymerization: Oxidative polymerization of 2, 3-dimercapto-1-propanol on the surface of iron(III) hydroxide oxide p 420 A95-88730
Evolution of the biosynthesis of the branched-chain amino acids p 420 A95-88733
The stability of amino acids at submarine hydrothermal vent temperatures p 421 A95-88734
Evidence for organic synthesis in high temperature aqueous media - facts and prognosis p 421 A95-88735
Geochemical constraints on chemolithoautotrophic reactions in hydrothermal systems p 421 A95-88736
Thermodynamics of Strecker synthesis in hydrothermal systems p 421 A95-88737
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
Prebiotic chemistry in space; Proceedings of Symposia B1.4 and F3.3 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994
[ISBN 0-08-042622-0] p 472 A95-89205
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
Infrared spectroscopy of organics of planetological interest at low temperatures p 473 A95-89219
Physics, chemistry and pulmonary sequelae of thermodegradation events in long-mission space flight
[SAE PAPER 932144] p 443 A95-90383
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
Seedling growth and development on space shuttle p 475 A95-93760
Porous tube plant nutrient delivery system development: A device for nutrient delivery in microgravity p 476 A95-93765
Plant-module for autonomous space-support (p-mass). p 476 A95-93766
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
Spacelab Life Sciences-1
[NASA-TM-109873] p 16 N95-10550
Aircraft to medicine
[NASA-TM-109245] p 16 N95-10551
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 393)
[NASA-SP-7011(393)] p 17 N95-11405
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 394)
[NASA-SP-7011(394)] p 34 N95-13230
Suited for spacewalking: Teacher's guide with activities for physical and life science
[NASA-EG-101] p 96 N95-13888
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 395)
[NASA-SP-7011(395)] p 91 N95-15304
Review of performance, medical, and operational data on pilot aging issues p 154 N95-16759
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 396)
[NASA-SP-7011(396)] p 158 N95-17703
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 398)
[NASA-SP-7011(398)] p 160 N95-19239
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 397)
[NASA-SP-7011(397)] p 210 N95-19746
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 399)
[NASA-SP-7011(399)] p 256 N95-21947
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 400)
[NASA-SP-7011(400)] p 352 N95-24464
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 401)
[NASA-SP-7011(401)] p 354 N95-25800
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 402)
[NASA-SP-7011(402)] p 387 N95-27502
Aerospace medicine and biology: A continuing bibliography with indexes (supplement 403)
[NASA-SP-7011(403)] p 451 N95-29190

National Aeronautics and Space Administration. Ames Research Center, Moffett Field, CA.
Judging rolling wheels: Dynamic and kinematic aspects of rotation-translation coupling
[HTN-94-00359] p 18 A95-60105
Stereokinetic effect and its relation to the kinetic depth effect
[HTN-94-00393] p 18 A95-60116
Apparent extended body motions in depth
[HTN-94-00400] p 18 A95-60122
On the externalization of auditory images
[HTN-94-00407] p 19 A95-60127
Morphological and biochemical examination of Cosmos 1887 rat heart tissue. Part 1: Ultrastructure
[HTN-94-00444] p 1 A95-60141
The NASA Ames Controlled Environment Research Chamber - Present status
[SAE-TP-941488] p 22 A95-60150
Ultrastructural and cellular mechanisms in myocardial deconditioning in weightlessness
[ISBN 1-55938-409-3] p 1 A95-60153
Presence of methyl sterol and bacteriohopanepolyol in an outer-membrane preparation from Methylococcus capsulatus (Bath)
[HTN-94-00465] p 1 A95-60154
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
Pituitary cells in space
[ISBN 0-08-042485-6] p 3 A95-60638

Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission
[ISBN 0-08-042485-6] p 7 A95-60660
Graviceptor development in jellyfish ephyrae in space and on Earth
[ISBN 0-08-042485-6] p 9 A95-60669
The Rhesus monkey as a model for testing the immunological effects of space flight
[ISBN 0-08-042485-6] p 15 A95-60681
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[ISBN 0-08-042485-6] p 11 A95-60682
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[HTN-95-10059] p 48 A95-61910
Effect of spaceflight on skeletal muscle: Mechanical properties and myosin isoform content of a slow muscle
[HTN-95-10084] p 54 A95-61935
Early alterations in soleus GLUT-4, glucose transport, and glycogen in voluntary running rats
[HTN-95-70073] p 75 A95-62515
Decreased femoral arterial flow during simulated microgravity in the rat
[HTN-95-70098] p 81 A95-62540
The chemical reactivity of the Martian soil and implications for future missions
[HTN-95-70125] p 182 A95-63438
ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993
[HTN-95-40049] p 105 A95-63744
Ammonia on the prebiotic Earth: Iron(II) reduction of nitrite p 106 A95-63757
A redox beginning: Which came first phosphoryl, acyl, or electron transfer ? p 107 A95-63759
The Strecker synthesis from interstellar precursors as a source of amino acids in carbonaceous chondrites: Deuterium retention during synthesis
p 108 A95-63765
Computer simulation of astrophysical ices
p 108 A95-63766
Cometary coma chemical composition (C4) mission
p 110 A95-63773
Size estimation of complexes consisting of hairpin DNAs bound to an assembler-strand p 118 A95-63816
Three stages during the evolution of the genetic code
p 118 A95-63817
Structure and functions of simple membrane-water interfaces p 125 A95-63848
Magnetite: What it reveals about the origin of the banded iron formations p 128 A95-63862
Exobiology experiments for Earth-orbital platforms
p 185 A95-63891
Feasibility of an integrated X-ray instrument for Mars exobiology and geology p 185 A95-63892
The in situ exobiological investigation of the Martian surface mineralogy during unmanned missions
p 185 A95-63893
An exobiology science strategy for Mars exploration
p 186 A95-63901
Template-directed chemistry and the origins of the RNA world
[HTN-95-10293] p 141 A95-64055
Optical specification of time-to-passage: Observers' sensitivity to global tau
[HTN-95-10448] p 168 A95-65503
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042540-2] p 214 A95-66751
Exobiology research on Space Station Freedom
p 215 A95-66768
Exobiological exploration of Mars p 215 A95-66770
Site selection for Mars exobiology
p 215 A95-66771
Life on Mars? 1: The chemical environment
p 215 A95-66772
Life on Mars? 2: Physical restrictions
p 215 A95-66773
Search for life on Mars: Evaluation of techniques
p 216 A95-66776
A preliminary comparison of two perennially ice-covered lakes in Antarctica: Analogs of past martian lacustrine environments p 191 A95-66777
A 'crytic' microbial mat: A new model ecosystem for extant life on Mars p 192 A95-66781
Surface-atmosphere interactions on Titan compared with those on the pre-biotic Earth p 193 A95-66793
The physical nature of Titan's aerosols: Laboratory simulations p 193 A95-66794
Very low temperature formaldehyde reactions and the build-up of organic molecules in comets and interstellar ices p 194 A95-66802
Polycyclic aromatic hydrocarbon ions and the diffuse interstellar bands p 194 A95-66804
Pilot interaction with cockpit automation 2: An experimental study of pilots' model and awareness of the Flight Management System
[HTN-95-90715] p 211 A95-69742
Life from the stars?
[HTN-95-20821] p 230 A95-72081
Strategic workload management and decision biases in aviation
[HTN-95-40883] p 259 A95-72260
Anatomy of a system accident: The crash of Avianca Flight 052
[HTN-95-40885] p 259 A95-72262
The RNA-world and co-evolution hypothesis and the origin of life: Implications, research strategies and perspectives
[HTN-95-A0482] p 231 A95-72553
The gravitational plant physiology facility-Description of equipment developed for biological research in spacelab
[HTN-95-80713] p 245 A95-73285
Adaptation of rat soleus muscles to 4 wk of intermittent strain
[HTN-95-A0589] p 270 A95-74290
Force-velocity and power characteristics of rat soleus muscle fibers after hindlimb suspension
[HTN-95-A0635] p 281 A95-74336
Spaceflight alters autonomic regulation of arterial pressure in humans
[HTN-95-A0653] p 310 A95-74354
Altered thermoregulatory responses after 15 days of head-down tilt
[HTN-95-A0661] p 287 A95-74362
Effect of water temperature on diuresis-natriuresis: AVP, ANP, and urodilatin during immersion in men
[HTN-95-A0669] p 289 A95-74370
Interaction of chronic restine depletion and muscle unloading effects on postural and locomotor muscles
[HTN-95-A0697] p 295 A95-75266
Temperature prediction of space flight experiments by computer thermal analysis
[HTN-95-60849] p 348 A95-78303
Influence of spaceflight on the production of interleukin-3 and interleukin-6 by rat spleen and thymus cells
[HTN-95-00411] p 322 A95-81928
Effect of excess dietary salt on calcium metabolism and bone mineral in a spaceflight rat model
[HTN-95-21582] p 366 A95-83347
Age dependence of myosin heavy chain transitions induced by creatine depletion in rat skeletal muscle
[HTN-95-21589] p 374 A95-83384
Aviation human factors research in U.S. universities: Potential contributions to national needs
[HTN-95-92290] p 397 A95-85334
Fatigue in operational settings: Examples from the aviation environment
[HTN-95-B0074] p 377 A95-85890
Simulation fidelity of a virtual environment display
[HTN-95-B0112] p 398 A95-85928
Design of a cooperative problem-solving system for en-route flight planning: An empirical evaluation
[HTN-95-B0113] p 398 A95-85929
Understanding the determinants of problem-solving behavior in a complex environment
[HTN-95-20753] p 390 A95-86643
Regulative development of Xenopus laevis in microgravity p 413 A95-87516
ISSOL Meeting, Barcelona, Spain, 1993
[HTN-95-92680] p 419 A95-88726
Probing the structure of cometary ice
p 419 A95-88727
Molecular dynamics studies of simple membrane-water interfaces: Structure and functions in the beginnings of cellular life p 419 A95-88728
Prebiotic polymerization: Oxidative polymerization of 2, 3-dimercapto-1-propanol on the surface of iron(III) hydroxide oxide p 420 A95-88730
Preliminary test results from the CELSS Test Facility Engineering Development Unit
[SAE PAPER 941542] p 458 A95-89092
P-MASS and P-GBA: Two new hardware developments for growing plants in space
[SAE PAPER 941545] p 423 A95-89093
General purpose free floating platform for KC-135 flight experimentation
[SAE PAPER 941452] p 459 A95-89094
The NASA Ames Controlled Environment Research Chamber: Present status
[SAE PAPER 941488] p 459 A95-89095
Concept for a life support system testbed in space
[SAE PAPER 941450] p 459 A95-89096
Design considerations for the CELSS test facility engineering development unit
[SAE PAPER 932124] p 462 A95-90365
Generation of a modeling and simulation system for a semi-closed plant growth chamber
[SAE PAPER 932128] p 463 A95-90369
Permeable membrane experiment
[SAE PAPER 932161] p 464 A95-90396
Capillary movement of liquid in granular beds
[SAE PAPER 932164] p 464 A95-90389
CaseMIDAS - A reactive planning architecture for the man-machine integration design and analysis system
[AIAA PAPER 95-0991] p 465 A95-90661
The synthesis of glutamic acid in the absence of enzymes: Implications for biogenesis
[HTN-95-01238] p 428 A95-91470
Life support technology investment strategies for flight programs: An application of decision analysis
[SAE PAPER 932064] p 467 A95-91642
Electrodialysis simulation to achieve optimum current density
[SAE PAPER 932074] p 468 A95-91652
Analysis of a membrane-based condesate recovery heat exchanger (CRX)
[SAE PAPER 932089] p 469 A95-91663
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
Plant-module for autonomous space-support (p-mass).
p 476 A95-93766
Controlled ecological life support systems (CELSS) flight experimentation p 513 A95-93767
Approaches to resource recovery in controlled ecological life support systems p 514 A95-93774
Elevated CO2: Impact on diurnal patterns of photosynthesis in natural microbial ecosystems
p 480 A95-93796
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
Attentional limitations with Head-Up Displays
p 494 A95-95046
Head-up displays: Effect of information location on the processing of superimposed symbology
p 517 A95-95048
Effect of task load and task load increment on performance and workload p 519 A95-95058
An empirical evaulation of computerized tools to aid in enroute flight planning p 520 A95-95064
Distributed problem solving by pilots and dispatchers
p 495 A95-95065
A taxonomy of decision problems on the flight deck
p 495 A95-95068
Efficient decision strategies on the flight deck
p 495 A95-95070
Taking risks and taking advice: The role of experience in airline pilot diversions p 496 A95-95071
The effect of scene content on speed, time, and distance perception p 497 A95-95078
Use of optical edge and optical flow rate: Information in the perception and control of ground velocity
p 497 A95-95079
The influence of air traffic control message length and timing on pilot communication p 520 A95-95087
Improving situation awareness displays for air traffic controllers p 520 A95-95088
Preliminary anaysis of pilot ratings of 'part time' information importance p 521 A95-95093
The dynamics of CRM attitude change: Attitude stability p 500 A95-95113
Whither CRM? Future directions in Crew Resource Management training in the cockpit and elsewhere
p 500 A95-95120
Position-specific behaviors and their impact on crew performance: Implications for training
p 501 A95-95121
Captain upgrade CRM training: A new focus for enhanced flight operations p 501 A95-95122
Cross-cultural attitudes of flight crew regarding CRM
p 501 A95-95123
Human factors in incident reporting
p 522 A95-95124
Automation design and crew coordination
p 522 A95-95126
Analysis of communication in the standard versus automated aircraft p 501 A95-95127
Attention in a multi-task environment
p 506 A95-95168
Crew performance and communication: Performing a terrain navigation task p 506 A95-95169
Navigational demands of low-level helicopter flight
p 506 A95-95171
Measurement of taskload in the analysis of aircrew performance p 507 A95-95174
Attentional tunneling and the head-up display
p 522 A95-95176
Flight performance measurement utilizing a figure of merit (FOM) p 509 A95-95191
Workload management and geographic disorientation in aviation incidents: A review of the ASRS data base
p 509 A95-95195

Data link air traffic control and flight deck environments: Experiment in flight crew performance p 510 A95-95202
The controlled ecological life support system Antarctic analog project: Analysis of wastewater from the South Pole Station, Antarctica, volume 1 [NASA-TM-108836] p 13 N95-10826
A metabolic cage for the hindlimb suspended rat [NASA-TM-108830] p 13 N95-10828
Crew factors in flight operations 6: Psychophysiological responses to helicopter operations [NASA-TM-108838] p 16 N95-10861
Biotelemetry implant volume and weight in rats: A pilot study report [NASA-TM-108812] p 13 N95-10863
Finite element analysis of a composite wheelchair wheel design [NASA-TM-108463] p 22 N95-11195
Effects of oral glucose on exercise thermoregulation in men after water immersion [NASA-TM-108825] p 28 N95-11810
Interviews with the Apollo lunar surface astronauts in support of planning for EVA systems design [NASA-TM-108846] p 37 N95-11905
Techniques for optimal crop selection in a controlled ecological life support system p 37 N95-11962
Training for life science experiments in space at the NASA Ames Research Center p 37 N95-11964
On the isolation of halophilic microorganisms from salt deposits of great geological age p 28 N95-11966
Meeting the challenge of manned lunar and Martian exploration p 37 N95-11970
Vestibular afferent responses to linear accelerations in the alert squirrel monkey [NASA-TM-4581] p 28 N95-12006
Crew factors in flight operations 9: Effects of planned cockpit rest on crew performance and alertness in long-haul operations [NASA-TM-108839] p 33 N95-12792
The effects of autogenic-feedback training on motion sickness severity and heart rate variability in astronauts [NASA-TM-108840] p 83 N95-13661
Human Machine Interfaces for Teleoperators and Virtual Environments [NASA-CP-10071] p 96 N95-14013
The Ames Virtual Environment Workstation: Implementation issues and requirements p 98 N95-14034
Virtual acoustic displays p 98 N95-14035
Varieties of virtualization p 98 N95-14036
Perceptual and performance consequences of flight in virtual worlds p 99 N95-14043
Development of life sciences equipment for microgravity and hypergravity simulation p 41 N95-14090
Unique life sciences research facilities at NASA Ames Research Center p 42 N95-14091
Regional cutaneous microvascular flow responses during gravitational and LBNP stresses p 89 N95-15128
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135
Musculoskeletal adaptation to mechanical forces on Earth and in space p 90 N95-15136
A method for continuous monitoring of the Ground Reaction Force during daily activity p 90 N95-15139
Bone geometry, structure and mineral distribution using Dual energy X ray Absorptiometry (DXA) p 90 N95-15140
Centrifuges in gravitational physiology research p 91 N95-15147
Crew factors in flight operations 2: Psychophysiological responses to short-haul air transport operations [NASA-TM-108856] p 91 N95-15649
The psychophysical function for perceived gravitational-inertial force does not depend on the orientation of the otolith organs p 150 N95-16740
Comparison of saline and fludrocortisone as fluid-loading countermeasures following exposure to simulated microgravity p 150 N95-16742
Intramuscular pressure: A better tool than EMG to optimize exercise for long-duration space flight p 151 N95-16744
Physiological constraints on deceleration during the aerocapture of manned vehicles p 152 N95-16751
Alertness management in two-person long-haul flight operations p 170 N95-16760
Human performance in the modern cockpit p 171 N95-16764
Crew decision making under stress p 171 N95-16765
Cognition and procedure representational requirements for predictive human performance models p 172 N95-16766
Beyond the cockpit: The visual world as a flight instrument p 177 N95-16767
Artificial gravity: How much, how often, how long? p 178 N95-16778
The effect of intermittent standing or walking during head down tilt bedrest on peak O2 consumption p 155 N95-16779
Periodic upright posture negates the suppression of neuroendocrine response to head down bedrest p 156 N95-16780
The efficacy of periodic +Gz exposure in the prevention of bedrest induced orthostatic intolerance p 156 N95-16781
The value of the 4-day headdown bedrest model for screening countermeasures p 156 N95-16782
US experiments flown on the Soviet biosatellite Cosmos 2044. Volume 1: Mission description, experiments K-7-01 - K-7-15 [NASA-TM-108802-VOL-1] p 187 N95-18569
Effect of heat acclimation on sitting orthostatic tolerance in the heat after 48 and 96 hour bed rest in men [NASA-TM-108861] p 144 N95-18734
Drink composition and cycle-ergometer endurance in men: Carbohydrate, Na(+), osmolality [NASA-TM-4650] p 144 N95-19140
Hypervolemia in men from drinking hyperhydration fluids at rest and during exercise [NASA-TM-4657] p 248 N95-21544
Self-generating oscillating pressure exercise device [NASA-CASE-ARC-12000-1] p 314 N95-23264
Experiment kits for processing biological samples inflight on SLS-2 [NASA-TM-4685] p 474 N95-28722
An inflight refill unit for replenishing research animal drinking water [NASA-TM-4684] p 474 N95-28818
Minutes of the 12th Joint NASA/DARA-DLR Life Sciences Program Working Group Meeting [NASA-TM-110655] p 527 N95-32719

National Aeronautics and Space Administration. Goddard Space Flight Center, Greenbelt, MD.
The vertical distribution and origin of HCN in Neptune's atmosphere [HTN-95-70123] p 181 A95-63436
ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993 [HTN-95-40049] p 105 A95-63744
Cometary coma chemical composition (C4) mission p 110 A95-63773
Cosmic dust analog simulation in a microgravity environment: The STARDUST program p 195 A95-66805
Neutral composition measurements by the Pioneer Venus Neutral Mass Spectrometer during orbiter re-entry [HTN-95-20802] p 268 A95-71162
Determination of the mass properties of a manipulator p 356 A95-80399
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991 [ISBN 0-306-44418-6] p 349 A95-81431
Moderate temperature control technology for a lunar base [SAE PAPER 932114] p 462 A95-90355

National Aeronautics and Space Administration. John F. Kennedy Space Center, Cocoa Beach, FL.
Soybean cotyledon starch metabolism is sensitive to altered gravity conditions [ISBN 0-08-042485-6] p 4 A95-60644
Embryogenesis, hatching and larval development of Artemia during orbital spaceflight [ISBN 0-08-042485-6] p 7 A95-60659
Effect of resistance training on muscle use during exercise [HTN-95-10082] p 53 A95-61933
ISSOL Meeting, 7th, Barcelona, Spain, July 4-9, 1993 [HTN-95-40049] p 105 A95-63744
The origin and early evolution of ISSOL p 106 A95-63745
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure [HTN-95-50877] p 239 A95-73067
Altered thermoregulatory responses after 15 days of head-down tilt [HTN-95-A0661] p 287 A95-74362
CELSS engineering parameters [SAE PAPER 932130] p 463 A95-90371
Application of capillary fluid management techniques to the design of a phase separating microgravity bioreactor [SAE PAPERS 932165] p 464 A95-90400
Engineering strategies and implications of using higher plants for throttling gas and water exchange in a controlled ecological life support system [SAE PAPER 932062] p 466 A95-91641
Analysis of remote reflectin spectroscopy to monitor plant health p 477 A95-93783
Effects of several environmental factors on sweetpotato growth p 480 A95-93794
Object-oriented model-driven control p 515 A95-93799
Performance and reliability of the NASA biomass production chamber p 515 A95-93801
Modeling gas exchange in a closed plant growth chamber p 481 A95-93803
Skeletal muscle responses to unloading in humans p 150 N95-16743
Heat stress and a countermeasure in the Shuttle rescueman's suit p 151 N95-16746
Effect of irradiance, sucrose, and CO2 concentration on the growth of potato (Solanum tuberosum L.) in vitro [NASA-TM-110654] p 431 N95-29375
Electromyostimulation, circuits and monitoring [NASA-TM-110741] p 492 N95-30846

National Aeronautics and Space Administration. Lyndon B. Johnson Space Center, Houston, TX.
Production and action of cytokines in space [ISBN 0-08-042485-6] p 2 A95-60633
Simulated microgravity does not alter epithelial cell adhesion to matrix and other molecules [ISBN 0-08-042485-6] p 3 A95-60639
Development studies of Aurelia (jellyfish) ephyrae which developed during the SLS-1 mission [ISBN 0-08-042485-6] p 7 A95-60660
Graviceptor development in jellyfish ephyrae in space and on Earth [ISBN 0-08-042485-6] p 9 A95-60669
Inhomogeneity of pulmonary perfusion during sustained microgravity on SLS-1 [HTN-95-10102] p 59 A95-61953
Effects of head-down bed rest on complex heart rate variability: Response to LBNP testing [HTN-95-70475] p 224 A95-71497
Aortic baroreflex control of heart rate after 15 days of simulated microgravity exposure [HTN-95-50877] p 239 A95-73067
Spaceflight alters autonomic regulation of arterial pressure in humans [HTN-95-A0653] p 310 A95-74354
Altered thermoregulatory responses after 15 days of head-down tilt [HTN-95-A0661] p 287 A95-74362
Lung volumes during sustained microgravity on Spacelab SLS-1 [HTN-95-A0676] p 310 A95-74377
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991 [ISBN 0-306-44418-6] p 349 A95-81431
Relating space radiation environments to risk estimates p 321 A95-81446
Ventilatory inhomogeneity determined from multiple-breath washouts during sustained microgravity on Spacelab SLS-1 [HTN-95-91901] p 351 A95-82003
Radiation health for a Mars mission p 383 A95-82602
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
Is walking a random walk? Evidence for long-range correlations in stride interval of human gait [HTN-95-21598] p 374 A95-83383
A componential model of human interaction with graphs: 1. Linear regression modeling [HTN-95-B0065] p 389 A95-85881
Critical issues for space life sciences p 436 A95-88559
Duration versus response to space-flight exposure p 437 A95-88563
The effect of space flight on spatial orientation p 437 A95-88566
Countermeasure development to space adaptation p 439 A95-88578
NASA's extended duration orbiter medical program p 441 A95-88586
Utilization of on-site resources for regenerative life support systems at Lunar and Martian outposts [SAE PAPER 932091] p 459 A95-90338
Single phase space laundry development [SAE PAPER 932092] p 460 A95-90339
Effect of iodine disinfectant source and water quality parameters on soluble iodine speciation [SAE PAPER 932096] p 460 A95-90340
Investigation of lunar base thermal control system options [SAE PAPER 932112] p 462 A95-90353
Preflight and postflight microbiological results from 25 space shuttle crews [SAE PAPER 932139] p 443 A95-90379

Infectious Disease risks associated with exposure to stressful environments
[SAE PAPER 932140] p 443 A95-90360
Evaluation of 3% hydrogen peroxide for use as an environmental disenfectant aboard the Space Station Freedom
[SAE PAPER 932142] p 443 A95-90381
Development of an infrared absorption transducer to monitor partial pressure of carbon dioxide for space applications
[SAE PAPER 932145] p 463 A95-90384
Head perturbations during walking while viewing a head-fixed target
[HTN-95-01208] p 466 A95-91440
Protein requirements for long term missions p 488 A95-93778
Microbiological characterization of a regenerative life support system p 515 A95-93808
Regenerative life support systems - why do we need them? p 516 A95-93812
Use of lunar regolith as a substrate for plant growth p 483 A95-93816
Carbon dioxide and water vapor production at rest and during exercise. A report on data collection for the Crew and Thermal Systems Division
[NASA-TP-3500] p 36 N95-11811
Human factors assessments of the STS-57 SpaceHab-1 mission
[NASA-TM-104802] p 36 N95-11878
Evaluation of COSTAR mass handling characteristics in an environment. A simulation of the Hubble Space Telescope service mission
[NASA-TP-3489] p 32 N95-11887
Extended duration orbiter medical project variability of blood pressure and heart rate (STS-50/USML-1) p 84 N95-14223
Extended duration orbiter medical project countermeasure to reduce post space flight orthostatic intolerance (LBNP) (STS-50/USML-1) p 84 N95-14224
Immune changes in humans concomitant with space flights of up to 10 days duration p 88 N95-15114
The effect of differences in time to detection of circulating microbubbles on the risk of decompression sickness p 149 N95-16738
Variability in Hoffmann and tendon reflexes in healthy male subjects p 149 N95-16739
Use of injectable promethazine to decrease symptom scores of Space Motion Sickness p 150 N95-16741
Catecholaminergic responses to stressful motion stimuli, scopolamine plus amphetamine, and dexamethasone p 151 N95-16745
A new model for estimating total body water from bioelectrical resistance p 151 N95-16747
Magnetic Resonance Imaging (MRI) of skeletal muscles in astronauts after 9 days of space flight p 152 N95-16749
Results of an International Space Crew Debrief p 152 N95-16750
Blood volume and orthostatic responses of men and women to a 13-day bedrest p 152 N95-16752
Effect of antiorthostatic Bedrest (BR) on Gastrointestinal Motility (GIM) of normal subjects p 153 N95-16753
Changes in left ventricular function as determined by the multi-wire gamma camera at near presyncopal levels of lower body negative pressure p 153 N95-16754
Comparisons of three anti-G suit configurations during long duration, low onset, +Gz p 177 N95-16755
Achilles Tendon Reflex (ATR) in response to short exposures of microgravity and hypergravity p 153 N95-16756
Prediction of space sickness in astronauts from preflight fluid, electrolyte, and cardiovascular variables and Weightless Environmental Training Facility (WETF) training p 153 N95-16757
Dark focus of accommodation as dependent and independent variables in visual display technology p 154 N95-16758
Results of the psychiatric, select-out evaluation of US astronaut applications p 171 N95-16761
Validation of astronaut psychological select-in criteria p 171 N95-16762
Psychological training of NASA astronauts for extended missions p 171 N95-16763
Space medicine research: Needs for the 21st century p 154 N95-16768
Effects of weightlessness on human baroreflex function p 154 N95-16770
Dynamics of the G-excess illusion p 155 N95-16771
Advanced Cardiac Life Support (ACLS) utilizing Man-Tended Capability (MTC) hardware onboard Space Station Freedom p 177 N95-16775
Medicine on Mars: Remote medical care and the space exploration initiative p 155 N95-16777
Geometry and gravity influences on strength capability
[NASA-TP-3511] p 180 N95-18189
Method for forming a glove attachment
[NASA-CASE-MSC-21632-1] p 313 N95-22766
Living in space
[NASA-TM-110536] p 314 N95-23274
Dexterous Orbital Servicing System (DOSS) p 316 N95-23723
Telepresence control of a dual-arm dexterous robot p 316 N95-23735
Evaluation of restraint system concepts for the Japanese Experiment Module flight demonstration
[NASA-TM-104808] p 356 N95-24627
Inflatable rescue device
[NASA-CASE-MSC-22244-1] p 357 N95-25306
Characterization of microgravity effects on bone structure and strength using fractal analysis p 531 N95-32419
Certification for civil flight decks and the human-computer interface p 544 N95-34784

National Aeronautics and Space Administration. Langley Research Center, Hampton, VA.

Radiation exposure predictions for long-duration-stay Mars missions
[BTN-95-EDX95032453043] p 209 A95-68268
Cognitive representations of flight-deck information attributes
[HTN-95-90718] p 212 A95-69745
Effects of hypergravity on immunologic function
[HTN-95-60848] p 319 A95-78302
Determination of the mass properties of a manipulator p 356 A95-80399
Biological effects and physics of solar and galactic cosmic radiation, Part B; Proceedings of a NATO Advanced Study Institute on Biological Effects and Physics of Solar and Galactic Cosmic Radiation, Algarve, Portugal, Oct. 13-23, 1991
[ISBN 0-306-44418-6] p 349 A95-81431
HZE reactions and data-base development p 350 A95-81444
Solar particle dose rate buildup and distribution in critical body organs p 350 A95-81447
Life sciences and space research 25 (3): Natural and artifical ecosystems; Meeting F4 of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042488-0] p 475 A95-93759
Human engineering analysis for the high speed civil transport flight deck p 517 A95-95040
Managing systems faults on the commercial flight deck: Analysis of pilots' organization and prioritization of fault management information p 494 A95-95041
Categorization and prioritization of flight deck information p 495 A95-95054
Cognitive representations of flight-deck information attributes p 495 A95-95055
Performance effects of plan-based displays in commercial aviation p 518 A95-95056
Operator versus computer control of adaptive automation p 519 A95-95059
Adaptive function allocation reduces performance costs of static automation p 519 A95-95062
Passive fetal heart rate monitoring apparatus and method with enhanced fetal heart beat discrimination
[NASA-CASE-LAR-15129-1] p 84 N95-14184
An in-home study of subjective response to simulated sonic booms p 93 N95-14891
Kinetics model for initiation and promotion for describing tumor prevalence from HZE radiation
[NASA-TP-3479] p 148 N95-16412
Method and apparatus for non-invasive evaluation of diaphragmatic function
[NASA-CASE-LAR-13868-1] p 252 N95-20408
Acoustic calibration apparatus for calibrating plethysmographic acoustic pressure sensors
[NASA-CASE-LAR-14977-1] p 253 N95-20763
Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] p 312 N95-22579
Non-invasive method and apparatus for monitoring intracranial pressure and pressure volume index in humans
[NASA-CASE-LAR-13894-1] p 385 N95-26889

National Aeronautics and Space Administration. Lewis Research Center, Cleveland, OH.

Thermal, mass, and power interactions for lunar base life support and power systems
[SAE PAPER 932115] p 462 A95-90356
Telemedicine Spacebridge
[LERC-255] p 16 N95-10562
NASA advanced refrigerator/freezer technology development project overview
[NASA-TM-106309] p 309 N95-23177

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Pituitary cells in space
[ISBN 0-08-042485-6] p 3 A95-60638
Teleoperator performance with varying force and visual feedback
[HTN-95-B0114] p 398 A95-85930
Environmental control and life support system selection for the first Lunar outpost habitat
[SAE PAPER 932065] p 467 A95-91643
Preliminary analysis of a membrane-based atmosphere-control subsystem
[SAE PAPER 932088] p 469 A95-91662
Portable seat lift
[NASA-CASE-MFS-28610-1] p 23 N95-11394
Analytical control test plan and microbiological methods for the water recovery test
[NASA-TM-108473] p 181 N95-19061
Fusion proteins as alternate crystallization paths to difficult structure problems
[NASA-TM-110497] p 346 N95-24531
Space radiation dosimetry on US and Soviet manned missions p 347 N95-25934
International Space Station Alpha trace contaminant control subassembly life test report
[NASA-TM-108488] p 400 N95-26364
Automatic locking knee brace joint
[NASA-CASE-MFS-28997-1] p 402 N95-27501

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Dynamical analysis of the coriolis effect which causes space disorientation
[NAL-TR-1258] p 493 N95-31714

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Georgetown Institute for Cognitive and Computational Sciences
[AD-A269775] p 457 N95-29458

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Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863
Stimulus-response compatibility
[PB95-214722] p 537 N95-33237

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Annual report of National Institute of Radiological Sciences
[DE94-792664] p 347 N95-25902

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[PB94-187739] p 37 N95-11908

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National Library of Medicine programs and services, fiscal year 1991
[PB94-188026] p 158 N95-17949
National Library of Medicine programs and services, fiscal year 1992
[PB94-188034] p 158 N95-17950

National Renewable Energy Lab., Golden, CO.

Anaerobic digestion analysis model: User's manual
[DE94-011858] p 246 N95-20471
Biologically produced succinic acid: A new route to chemical intermediates
[DE95-000257] p 345 N95-24306
Clean fractionation of biomass
[DE95-000259] p 345 N95-24307

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Development of Japanese experiment module remote manipulator system p 315 N95-23708
Automation and crew time saving in the space experiment p 315 N95-23715

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Robotic control using muscular and neural electrical signals
[AD-A284908] p 92 N95-15757

Naval Aerospace Medical Inst., Pensacola, FL.

The waiver process and disqualifying medical conditions in US Naval aviation personnel p 162 N95-19416
The effect of special boards of flight surgeons on the evolution of US Naval flight standards p 162 N95-19417
AMDRS: A resource for intelligent aeromedical decision-making p 162 N95-19419
The concept of aeronautical adaptability as developed by the US Navy p 164 N95-19426
The NAMI syncope test battery and clinical decision-making in aviators with syncope p 164 N95-19428

Naval Aerospace Medical Research Lab., Pensacola, FL.
Naval Aerospace Medical Research Laboratory. 1993 command history
[AD-A284038] p 85 N95-14424
Mathematical model for interaction of canals and otoliths in perception of orientation, translation, and rotation
[AD-A280897] p 146 N95-16151
Effects of weight lifting on intrathoracic pressures generated by anti-g straining maneuvers
[AD-A283651] p 158 N95-18138
Computer-based psychomotor tests in optimal training track assignment of student naval aviators
[AD-A283720] p 175 N95-18414
Test reliability and experimental power
[AD-A279607] p 260 N95-19957
Behavioral effects of tyrosine during sustained wakefulness
[AD-A279789] p 251 N95-20307
Effects of bifocal and progressive-addition corrective lenses on aviator target-detection performance
[AD-A279698] p 253 N95-20710
Bibliography of scientific publications 1975-1993
[AD-A279767] p 254 N95-20977
The sharper image: Implementing a Fast Fourier Transform (FFT) to enhance a video-captured image
[AD-A279790] p 255 N95-21180
Command history, 1993
[AD-A279775] p 256 N95-21989

Naval Air Warfare Center, China Lake, CA.
Multispectral image correlation for air-to-ground targeting p 535 N95-32489

Naval Air Warfare Center, Patuxent River, MD.
The ANVIS head-up display: An analysis of its application to naval helicopters
[AD-A294342] p 538 N95-34358

Naval Air Warfare Center, Warminster, PA.
Task-dependent effects of automation: The role of internal models in performance, workload, and situational awareness in a semi-automated cockpit
[AD-A292538] p 470 N95-28969
Current issues in the measurement of military aircrew performance: A consideration of the relationship between available metrics and operational concerns
[AD-A292539] p 470 N95-28970

Naval Biodynamics Lab., New Orleans, LA.
Naval Biodynamics Laboratory 1993 command history
[AD-A284358] p 175 N95-18440
Operating procedures for Anthropometry and Initial Conditions Photogrammetric Program
[AD-A291553] p 470 N95-28935

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Human performance studies for control of multiple remote systems
[AD-A286623] p 265 N95-20768
Improved operator awareness of teleoperated land vehicle attitude
[AD-A290443] p 471 N95-29359

Naval Health Research Center, San Diego, CA.
First demonstration of an alertness monitoring management system
[AD-A280858] p 22 N95-10918
Differing event-related patterns of gamma-band power in brain waves of fast-and slow-reacting subjects
[AD-A281693] p 20 N95-11421
An annotated bibliography of heat tolerance: Regarding gender differences
[AD-A280755] p 145 N95-16105
Event-related brain potentials as predictors of target detection performance in a moving waterfall display simulating passive broad-band sonar monitoring
[AD-A280900] p 146 N95-16152
Skin blood flow and bioelectrical impedance
[AD-A285475] p 149 N95-16619
Microclimate cooling effect on perceived exertion in four heat/exercise scenarios
[AD-A285549] p 255 N95-21160
Effects of chromium picolinate on body composition in a remedial conditioning program
[AD-A292079] p 452 N95-29238
Adaptations to three weeks of aerobic/anaerobic training in west coast U.S: Navy Sea-Air-Land personnel (SEAL's)
[AD-A291500] p 453 N95-29846
The effect of bright light and LEET on sleep after a 10-hour phase delay
[AD-A291264] p 453 N95-29995
Sleep during SEAL Delivery Vehicle (SDV)/Dry dock shelter exercises analyzed by a graphic approach
[AD-A290916] p 454 N95-30083
Control of skin blood flow in the neutral zone of human body temperature regulation
[AD-A291499] p 492 N95-30563

Naval Medical Research Inst., Bethesda, MD.
Solubilities of nitrogen and helium in water and blood at 37 C and pressures of up to 11 ATA
[AD-A286269] p 257 N95-22003
A model of bubble evolution during decompression based on a Monte Carlo simulation of inert gas diffusion
[AD-A289400] p 385 N95-26885

Naval Postgraduate School, Monterey, CA.
Personal computer and workstation operating systems tutorial
[AD-A280132] p 264 N95-20041
Modeling and statistical analysis of bioassay data: Medaka cell proliferation under DEN and TCE
[AD-A289998] p 383 N95-28519
Animation within a multimedia training system for night vision goggles
[AD-A294095] p 539 N95-34475
Managing technological change in a military treatment facility: A case study of medical diagnostic imaging support (MDIS) system
[AD-A294894] p 533 N95-34573

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Use of the user action notation at the Naval Research Laboratory Human-Computer Interaction Laboratory
[AD-A281680] p 104 N95-15449
Proceedings of Natural Sciences Symposium
[AD-A285452] p 208 N95-19536

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Electromagnetic field exposure dosimeter
[AD-A293191] p 492 N95-30981

Navy Clothing and Textile Research Facility, Natick, MA.
Lightweight cold weather underwear investigation
[AD-A288506] p 400 N95-26736

Navy Computer and Telecommunications Station, Pensacola, FL.
Development of the OMPAT neuropsychological/psychomotor performance evaluation and OMPAT data and timing support programs
[AD-A284928] p 169 N95-16140

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[AD-A294337] p 534 N95-34356

Nebraska Univ., Lincoln, NE.
Vestibular ontogeny: Measuring the influence of the dynamic environment p 86 N95-15105

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[PB95-135398] p 255 N95-21352

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Morphological differentiation of colon carcinoma cell lines in rotating wall vessels
[NASA-CR-196780] p 31 N95-11808

New England Medical Center Hospitals, Boston, MA.
Retinal injuries from single and multiple picosecond laser pulses
[AD-A284173] p 159 N95-18515
Continuation of BNCT Research Program at NEMC and MIT
[DE94-016228] p 311 N95-22875

New Jersey Medical School, Newark, NJ.
Medical and surgical evaluation and care of illness in space
[NASA-CR-196280] p 17 N95-10937

New Mexico State Univ., Las Cruces, NM.
Modeling joint effects of mixtures of chemicals on microorganisms using quantitative structure activity relationship techniques, phase 3
[AD-A290153] p 431 N95-29320

New York Univ., New York, NY.
Visual neural development and chromatic aberration
[AD-A285064] p 169 N95-16368
Facilitation and interference in identification of pictures and words
[AD-A285882] p 212 N95-19602

New York Univ. Medical Center, New York, NY.
Measurement and regulation of central noradrenergic receptors
[AD-A284219] p 85 N95-14408
Measurement and regulation of central noradrenergic receptors
[AD-A294065] p 532 N95-34472

Newcastle-upon-Tyne Univ., Newcastle (England).
Scene analysis: A brief survey
[PB94-205085] p 36 N95-13433
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658

North Carolina State Univ., Raleigh, NC.
Biochemically vulnerable sites for antifungal intercession in the control of fungal growth
[AD-A288345] p 379 N95-26573

North Carolina Univ., Chapel Hill, NC.
Virtual reality at work p 98 N95-14033
Extracellular ionic composition alters kinetics of vesicular release of catecholamines and quantal size during exocytosis at adrenal medullary cells
[AD-A281613] p 146 N95-16112

North Carolina Univ., Raleigh, NC.
Regulation of nitrogen uptake and assimilation: Effects of nitrogen source and root-zone and aerial environment on growth and productivity of soybean
[NASA-CR-197098] p 141 N95-15961

North Dakota State Univ., Fargo, ND.
A physiological neural network for saccadic eye movement control
[AD-A279599] p 251 N95-20301

Northrop Corp., Lomita, CA.
Objective evaluation of situation awareness for dynamic decision makers in teleoperations p 100 N95-14047

Northwestern Polytechnical Univ., Xian (China).
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099

Northwestern Univ., Evanston, IL.
MAC/FAC: A model of similarity-based retrieval
[AD-A286291] p 263 N95-22052

O

Oak Ridge National Lab., TN.
Nuclear medicine program
[DE94-017530] p 160 N95-19244
Cell membrane potentials induced during exposure to EMP fields
[DE94-018952] p 248 N95-21548
The molecular mechanics program DUPLEX: Computing structures of carcinogen modified DNA by surveying the potential energy surface
[DE94-019153] p 248 N95-21606
Continuous production of cellulase in a fluidized-bed reactor by Pseudonomas fluorescens immobilized in hydrogel beads
[DE94-014105] p 305 N95-22588
An improved system for exon recognition and gene modeling in human DNA sequences
[DE94-017863] p 307 N95-22890
Bioprocessing in nonaqueous media: Critical needs and opportunities
[DE95-004878] p 346 N95-24843

Oakwood Coll., Huntsville, AL.
The assessment of virtual reality for human anatomy instruction p 160 N95-18971

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Modeling and numerical simulation of the cerebral blood flow under acceleration p 87 N95-15112

Office of Naval Research, Arlington, VA.
Inflatable life vest
[AD-D017273] p 471 N95-29600

OGDEN/ERC Government Systems, Fairfax, VA.
US Coast Guard Human Systems Integration (HSI) process model
[AD-A289172] p 400 N95-26612

Ohio State Univ., Columbus, OH.
Regulation of alternative CO2 fixation pathways in prokaryotic and eukaryotic photosynthetic organisms
[DE94-013180] p 30 N95-13271
Transmethylation reactions during methanogenesis from acetate in Methanosarcina barkeri
[DE94-016222] p 306 N95-22873

Oklahoma Univ. Health Sciences Center, Norman, OK.
Low-dose alcohol effects on human behavior and performance: A review of post-1984 research
[DOT/FAA/AM-94/24] p 93 N95-14863

Old Dominion Univ., Norfolk, VA.
A portable fetal heart monitor and its adaption to the detection of certain prenatal abnormalities
[NASA-CR-196430] p 16 N95-10024
The electrocortical correlates of fluctuating states of attention during vigilance tasks
[NASA-CR-197051] p 93 N95-14864
Root growth and development in response to CO2 enrichment
[NASA-CR-196154] p 142 N95-16429

Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, Delft (Netherlands).
Energy expenditure, physical work load and postural control during walking on a moving platform
[AD-A285343] p 178 N95-16821
Parallel search for a conjunction of shape and contrast polarity
[AD-A285344] p 172 N95-16822

A framework for the analysis of cognitive tasks
[AD-A285345] p 172 N95-16835

Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, Soesterberg (Netherlands).
Perceptual selectivity for color and form: On the nature of the interference effect
[AD-A285338] p 172 N95-16817
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure
[AD-A285389] p 262 N95-20609

Organisatie voor Toegepast Natuurwetenschappelijk Onderzoek, The Hague (Netherlands).
POINTER: Portable Intelligent Trainer for External Robotics p 315 N95-23714

Osaka Univ., Toyonaka (Japan).
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119

Oxford Univ., Oxford (England).
Color and physiological arousal p 21 N95-11621

P

Pacific Northwest Lab., Richland, WA.
Rational enzyme redesign
[DE94-014565] p 29 N95-12677
Mechanisms of interaction and biological effects of extremely-low-frequency electromagnetic fields
[DE94-015200] p 143 N95-18371
Biological interactions and human health effects of static magnetic fields
[DE95-003147] p 311 N95-24145
Interaction mechanisms and biological effects of static magnetic fields
[DE95-004929] p 347 N95-26169

Padua Univ. (Italy).
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976

Pennsylvania State Univ., University Park, PA.
Electrophoretic separation of cells and particles from rat pituitary
[NASA-CR-197975] p 345 N95-24475

Pennsylvania Univ. Medical Center, Philadelphia, PA.
CO2-O2 interactions in extension of tolerance to acute hypoxia
[NASA-CR-198575] p 451 N95-29158

Phillips Lab., Hanscom AFB, MA.
Diagnosing cloudiness from global numerical weather prediction model forecasts
[AD-A289456] p 392 N95-26992

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High performance computing for medical image interpretation
[AD-A285457] p 210 N95-19537

Pittsburgh Univ., Pittsburgh, PA.
Investigation of pressure regulation in an archaebacterial enzyme
[AD-A281413] p 142 N95-16164
Visuo-ocular performance during vestibular stimulation
[AD-A284103] p 174 N95-18403
Organization of the human circadian system
[AD-A288223] p 449 N95-28915

Polish Academy of Sciences, Warsaw (Poland).
The use of acoustic emission in orthopedics p 16 N95-10243
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air p 31 N95-11806

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The EEG in the evaluation of applicants to aircrew members p 165 N95-19432

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Abstracts from the International Conference on Nuclear Analytical Methods in the Life Sciences
[DE94-621923] p 27 N95-11728

Prime Technology, Inc., Dayton, OH.
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[AD-A279303] p 352 N95-24423

Princeton Univ., NJ.
The display of tactile information p 96 N95-14017

Prins Maurits Lab. TNO, Rijswijk (Netherlands).
Multiple-task performance: A critical review of the literature and a cognitive neuroscience framework
[AD-A285133] p 212 N95-19583

Puerto Rico Univ., San Juan.
Neural networks: Structure and repair. Part 1: Ground squirrel visual system. Part 2: Formation, maintenance and plasticity of synaptic connections
[AD-A282420] p 29 N95-12393
Characterization of neurotrophic and neurotropic interactions between neurons and their muscle and nerve targets
[AD-A281846] p 148 N95-16423

Purdue Univ., West Lafayette, IN.
The avian embryo responding to microgravity of space flight p 43 N95-15104
Non-invasive detection of increased intracranial pressure using acoustical techniques
[AD-A279292] p 351 N95-24309

Q

Queens Medical Centre, Nottingham (England).
Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433

R

Radian Corp., Austin, TX.
Use of mussels in biomonitoring of environmental impacts of propellants, projectiles, explosives, and pyrotechnics p 382 N95-28298

Rensselaer Polytechnic Inst., Troy, NY.
Microbial communities in subsurface environments: Diversity, origin, and evolution
[DE94-013699] p 27 N95-11737

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Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570

Rhode Island Univ., Kingston, RI.
The 1993 Gordon Research Conference on Chronobiology
[NASA-CR-197990] p 310 N95-24047

Rice Univ., Houston, TX.
Variables mediating the perception of crowding and confinement in extreme environments p 21 N95-11620
Comparing performance on implicit memory tests
[AD-A284861] p 212 N95-19740

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Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme
[PB95-133732] p 248 N95-21884

Rochester Univ., NY.
Supervised learning without output labels
[TR-510-REV] p 94 N95-15588
First results with instance-based state identification for reinforcement learning
[TR-502] p 94 N95-15642
Vision, learning, and development
[TR-492-REV] p 95 N95-15787
Reference frames in vision
[AD-A290117] p 456 N95-29422
Adaptive differential visual feedback for uncalibrated hand-eye coordination and motor control
[AD-A293607] p 540 N95-34616

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Radiofrequency/microwave radiation biological effects and safety standards: A review
[AD-A282886] p 33 N95-12919

Rotbe Development, Inc., San Antonio, TX.
Echo imaging techniques determine the size of intravascular bubbles in decompression sickness
[AD-A284849] p 210 N95-19714
The influence of coronary artery disease on +Gz tolerance: A preliminary study
[AD-A279305] p 256 N95-21941

Royal Air Force Inst. of Aviation Medicine, Farnborough (England).
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Negative to positive Gz acceleration transition p 532 N95-34052
Positive pressure breathing for G protection (PBG) p 538 N95-34055

Royal Inst. of Tech., Stockholm (Sweden).
Mathematical methods applied to biotechnical processes
[PB95-212114] p 530 N95-33232

Royal Norwegian Air Force, Oslo (Norway).
Is the pilot fit for flying after an accident? p 164 N95-19425
Think health not disease p 164 N95-19429

Ruhr Univ., Bochum (Germany).
Psychological aspects of risk taking in extreme environments p 21 N95-11622
The Teleprasenz Consortium: Structure and intentions p 99 N95-14039

S

San Francisco Univ., CA.
Radiobiological experiments with plant seeds aboard the biosatellite Cosmos 1887 p 347 N95-25933

San Jose State Univ., CA.
New findings regarding light intensity and its effects as a zeitgeber in the Sprague-Dawley rat p 45 N95-15135

Sandia National Labs., Albuquerque, NM.
Top ten list of user-hostile interface design
[DE95-001602] p 266 N95-21721
Fuzzy clustering of facial form for prototyping environmental protection equipment
[DE94-014657] p 267 N95-22466

Science Applications International Corp., McLean, VA.
Acute radiation sickness amelioration analysis
[AD-A279084] p 256 N95-21629

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Molecular approach to hypothalamic rhythms
[AD-A285164] p 157 N95-16851

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Cofactor-assisted antibody catalysis
[AD-A288929] p 379 N95-26606

Search Technology, Inc., Norcross, GA.
Certify for success: A methodology for human-centered certification of advanced aviation systems p 541 N95-34773

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Diagnostic antigens of Leishmania
[AD-A288805] p 381 N95-27097

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[PB94-215597] p 181 N95-19412
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning
[PB95-196382] p 403 N95-28659
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
Effects of air bubbles on rabbit blood brain barrier
[PB95-195293] p 487 N95-30512
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515
Specific method for task-based interaction design
[PB95-196440] p 524 N95-30522
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[PB95-196556] p 487 N95-30685

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[DE95-006097] p 387 N95-28136

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EKG in flight: Usefulness and limits for aircrew rehabilitation p 163 N95-19422

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Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109

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[AD-A282643] p 32 N95-12542

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Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720

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Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness p 43 N95-15106

Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions
p 45 N95-15144

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Visual processing of object velocity and acceleration
[AD-A292789] p 511 N95-31436

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[DE95-758947] p 430 N95-28947

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[AD-A280032] p 261 N95-20007

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Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700

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[AD-A284055] p 160 N95-18661

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A comparison of overall mathematical models of the cardiovascular system for simulating response to orthostatic stresses p 91 N95-15150

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In vitro system for studying metabolism of environmental chemicals in human cells
[AD-A284174] p 159 N95-18518

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Protein folding and protein metallocluster studies using synchrotron small angler x ray scattering
[DE95-003339] p 307 N95-22897

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Telerobotics in rehabilitation: Barriers to a virtual existence p 97 N95-14030
A decade of telerobotics in rehabilitation: Demonstrated utility blocked by the high cost of manipulation and the complexity of the user interface p 100 N95-14044
Cellular interactions in the suprachiasmatic nucleus
[AD-A285639] p 311 N95-23780

State Univ. of New York, Binghamton, NY.
Perception of auditory events: Attentional limitations
[AD-A284399] p 95 N95-15770

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[AD-A285636] p 262 N95-21101

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Evaluation in context: ATC automation in the field
p 543 N95-34781

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Clearing-house mechanism to promote and facilitate technical and scientific cooperation under the UN Convention on Biological Diversity
[PB95-214557] p 530 N95-33236

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p 21 N95-11631

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Radiation in everyday life
[DE95-604111] p 379 N95-26597

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[AD-A289721] p 469 N95-28683
Pulse waveform and pulse amplitude analysis during Lower Body Negative Pressure
[AD-A290521] p 452 N95-29360

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Some criteria for teleoperators and virtual environments from experiences with vehicle/operator simulation
p 97 N95-14028

T

Tasmania Univ., Hobart (Australia).
Habitability of Australian Antarctic stations
p 24 N95-11603

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[PB95-129672] p 264 N95-20276
Analysis of musculo-skeletal loading using electromyography and biomechanical modelling
[PB95-135828] p 254 N95-21007
13th European Annual Conference on Human Decision Making and Manual Control
[PB95-132874] p 262 N95-21284

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[PB95-107850] p 245 N95-20208
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[PB95-107819] p 255 N95-21028
Intramyocardial blood volume and oxygen exchange
[PB95-108015] p 256 N95-21580

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[PB94-191376] p 36 N95-11778
Copper metabolism in rats fed ascorbic acid or restricted amounts of copper
[PB94-191343] p 28 N95-11902
Modelling of biopotential recordings and its implications for instrumentation design
[PB94-206844] p 30 N95-13408
Analysis of electron microscope images: 3-D localization of immuno-markers
[PB94-197977] p 41 N95-13990
Efficiency in work behaviour: A design approach for modern tools
[PB94-197761] p 179 N95-16953
Towards a human operator model of the navigator
[PB94-197985] p 179 N95-17468
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating
[PB94-206885] p 254 N95-21016
Human force exertion in user-product interaction. Backgrounds for design
[PB95-132858] p 265 N95-21283

Tel-Aviv Univ., Ramat-Aviv, Tel-Aviv (Israel).
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach
[AD-A293742] p 493 N95-31570

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Open problems of computational molecular biology
[DE95-000895] p 306 N95-22866

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[PB94-182854] p 142 N95-16801
Cognitive diagnosis combined with latent trait theory and multiphase responses
[AD-A288701] p 355 N95-26010

Tennessee Univ., Memphis, TN.
Research activities on somatosensory (SI) cortical neurons
[AD-A288794] p 379 N95-26360

Texas A&M Univ., College Station, TX.
Bacterial luciferase: Determination of the structure by x-ray diffraction
[AD-A279699] p 246 N95-20711

Texas Technological Univ., Lubbock, TX.
Situation awareness information requirements for En Route Air Traffic Control
[DOT/FAA/AM-94/27] p 173 N95-17655

Texas Univ., Austin, TX.
Development and evaluation of a musculoskeletal model of the elbow joint complex
[NASA-CR-196160] p 17 N95-11250
Preconditioning electromyographic data for an upper extremity model using neural networks
[NASA-CR-196877] p 31 N95-11708
A musculoskeletal model of the elbow joint complex
[NASA-CR-195812] p 34 N95-13270
Fusion of multiple sensing modalities for machine vision
[AD-A284762] p 180 N95-18086
Biosensors based on cross-linking of biotinylated Glucose Oxidase by avidin
[AD-A290439] p 487 N95-30452

Texas Univ., Houston, TX.
Theoretical modeling of ocular tissue damage by short pulse laser
[AD-A280928] p 16 N95-10533

Texas Univ., San Antonio, TX.
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[NASA-CR-196385] p 13 N95-10337
Monoclonal antibodies directed against surface molecules of multicell spheroids
[NASA-CR-197367] p 246 N95-20559

Texas Univ. Health Science Center, Houston, TX.
Teratogenic effects of delta g: The concept of allometric growth p 43 N95-15102
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A285186] p 157 N95-16871

Texas Univ. Health Science Center, San Antonio, TX.
In vivo distribution of liposome encapsulated hemoglobin studied with imaging radiotracers
[AD-A279774] p 246 N95-20806
Investigation of laser-induced retinal damage: Wavelength and pulsewidth dependent mechanisms
[AD-A286066] p 253 N95-20848
Cellular and molecular level responses after radiofrequency radiation exposure, alone or in combination with x rays or chemicals
[AD-A292488] p 449 N95-28866

Tokyo Metropolitan Univ., Tokyo (Japan).
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation
p 176 N95-15984

Tokyo Univ. (Japan).
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145

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Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134

Toronto Univ. (Ontario).
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[AD-A280977] p 148 N95-16481

Toshiba Corp., Kawasaki (Japan).
Robot arm system for automatic satellite capture and berthing p 315 N95-23709

Trondheim Univ. (Norway).
Decompression illness, observable bubbles. (Session K)
[PB95-195285] p 491 N95-30511
Detecting intravascular gas bubbles in ultrasonic images
[PB95-195301] p 491 N95-30513
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale
[PB95-195319] p 487 N95-30515

Tuebingen Univ. (Germany).
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121

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A method to determine the kinematics of the lower limbs of a subject pedaling a bicycle using encoders and accelerometers
[NASA-CR-197401] p 266 N95-21866
Bicycle ergometer instrumentation to determine muscle and bone forces during exercise p 535 N95-32428

U

Udine Univ. (Italy).
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p 88 N95-15120

Ullevaal Hospital, Oslo (Norway).
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[AD-A290501] p 531 N95-33200

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p 472 N95-30267

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M.E.366-J embodiment design project: Portable foot restraint
[NASA-CR-197163] p 38 N95-12361
The embodiment design of the heat rejection system for the portable life support system
[NASA-CR-197178] p 38 N95-12555
Integral habitat transport system
[NASA-CR-197156] p 38 N95-12629
Proposal for an astronaut mass measurement device for the Space Shuttle
[NASA-CR-197198] p 103 N95-14854
Annual program analysis of the NASA Space Life Sciences Research and Education Support Program
[NASA-CR-197298] p 247 N95-21529

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The relationship between space sickness and preflight diet p 88 N95-15122
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129

University Medical School of Debrecen, Debrecen (Hungary).
Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141
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Situational awareness in complex systems
[AD-A281448] p 168 N95-15959
University of Eastern Michigan, Ypsilanti, MI.
Is there a role for a test controller in the development of new ATC equipment? p 542 N95-34778
University of Southern California, Los Angeles, CA.
The effects of Crew Resource Management (CRM) training in airline maintenance: Results following three year's experience
[NASA-CR-196696] p 394 N95-28676
University of Southern Illinois, Carbondale, IL.
Regulation of alcohol fermentation in Escherichia coli
[DE94-016227] p 306 N95-22874
University of Southern Illinois, Springfield, IL.
Conceptual understanding and stability, and knowledge shields for fending off conceptual change
[AD-A293555] p 534 N95-34609
Utah Univ., Salt Lake City, UT.
Prevent and cure disuse bone loss
[NASA-CR-196845] p 17 N95-11594
Issues in the design of high dexterity, force reflective teleoperators p 97 N95-14024
Studies of novel popout
[AD-A285237] p 169 N95-16244
Human parathyroid hormone-(1-38) restores cancellous bone to the immobilized, osteopenic proximal tibial metaphysis in rats
[NASA-CR-197709] p 353 N95-24556

V

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Crew-Centered Cockpit Design (CCCD) field demonstration program, volume 1
[AD-A286426] p 265 N95-21566
Veterans Administration Hospital, Richmond, VA.
Effects of weightlessness on human baroreflex function p 154 N95-16770
Veterans Administration Hospital, Sepulveda, CA.
Measurement and modification of the EEG and related behavior p 99 N95-14038
Virginia Univ., Charlottesville, VA.
Control of circadian behavior by transplanted suprachiasmatic nuclei
[AD-A285233] p 142 N95-16599
Photoreceptors regulating circadian behavior: A mouse model
[AD-A285157] p 157 N95-16847
Improved filtration materials and modeling
[AD-A284684] p 180 N95-18531
Development and application of low-temperature AFM
[AD-A291704] p 363 N95-28525
The preservation of human surrogates for biomechanical studies p 537 N95-33312

W

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Practical guidelines for workload assessment p 542 N95-34777
Walter Reed Army Inst. of Research, Wright-Patterson AFB, OH.
Toxicity assessment of liquid propellant XM46 p 387 N95-28319
Walter Reed Army Medical Center, Washington, DC.
Medical research publications: A bibliography of Walter Reed Army Medical Center staff, 1986-1992, volume 2
[PB94-177797] p 85 N95-14394
Comparison of work of breathing during mechanical ventilation using assist control and intermittent mandatory ventilation
[AD-A285516] p 157 N95-17174
Washington State Univ., Pullman, WA.
Augmentation of research on cognitive control
[AD-A280956] p 93 N95-14600
Plant metabolism and cell wall formation in space (microgravity) and on Earth
[NASA-CR-197618] p 306 N95-22901
Washington Univ., Saint Louis, MO.
Blink rate as a measure of fatigue: A review
[DOT/FAA/AM-94/17] p 21 N95-11683
Blinks, saccades, and fixation pauses during vigilance task performance. 1: Time on task
[DOT/FAA/AM-94/26] p 173 N95-17530
Washington Univ., Seattle, WA.
Creating better virtual worlds p 98 N95-14031
Wichita State Univ., Wichita, KS.
Design of a cervical spine gross motion simulator for standard size human and anthropomorphic dummy adult and child
[NIAR-94-16] p 316 N95-24021
Wisconsin Univ., Madison, WI.
Growth of potatoes for CELSS
[NASA-CR-177646] p 37 N95-11949
The Astroculture (tm)-1 experiment on the USML-1 mission p 103 N95-14228
Analysis of structural domains required for phytochrome function by in vitro mutagenesis
[DE94-016230] p 307 N95-22884
Psychophysical evaluation of three-dimensional auditory displays
[NASA-CR-198010] p 353 N95-24564
Woods Hole Oceanographic Inst., MA.
Automated analysis of zooplankton size and taxonomic composition using the video plankton recorder
[AD-A289725] p 430 N95-28685
Wright State Univ., Dayton, OH.
Perception and control of locomotion
[AD-A285605] p 262 N95-21192
Codes of processing and multiple resources: Model and methodology
[AD-A289583] p 391 N95-26691
Subjective workload assessment in a spatial memory task
[AD-A289491] p 391 N95-26825
Visualization of CAD objects using a stereoscopic display
[AD-A290034] p 457 N95-29439
Pattern-analysis based models of masking by spatially separated sounds
[AD-A291270] p 453 N95-29933
Wyoming Univ., Laramie, WY.
USAF cellular mechanism of turnover of the stress induced protein HSP70
[AD-A285618] p 251 N95-19698

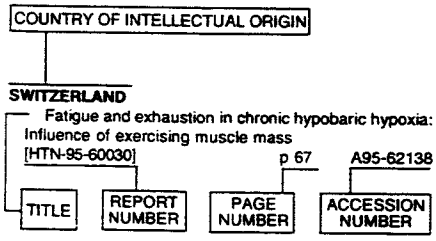
Y

Yale Univ., New Haven, CT.
World Reference Center for Arboviruses
[AD-A281635] p 91 N95-15445
Presentations of shape in object recognition and long-term visual memory
[AD-A281336] p 168 N95-16010
A parallel processing hypothesis for short-term and long-term memory in Aplysia
[AD-A284101] p 174 N95-18401
York Univ. (England).
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
Young (Laurence R.), Rumney, NH.
Life Sciences Centrifuge Facility review
[NASA-CR-196849] p 41 N95-13702

AEROSPACE MEDICINE AND BIOLOGY / *A Continuing Bibliography*
1995 Cumulative Index

December 1995

Typical Foreign Technology Index Listing



Listings in this index are arranged alphabetically by country of intellectual origin. The title of the document is used to provide a brief description of the subject matter. The page number and accession number are included in each entry to assist the user in locating the abstract in the abstract section. If applicable, a report number is also included as an aid in identifying the document.

A

AUSTRALIA

Ventilatory responses to inspiratory threshold loading and role of muscle fatigue in task failure
[HTN-95-10064] p 49 A95-61915

Respiratory-related activity of soft palate muscles: Augmentation by negative upper airway pressure
[HTN-95-10067] p 50 A95-61918

Influence of sprint training on human skeletal muscle purine nucleotide metabolism
[HTN-95-10086] p 54 A95-61937

Changes in airway resistance during sleep onset
[HTN-95-10096] p 57 A95-61947

Muscle metabolism during exercise and heat stress in trained men: Effect of acclimation
[HTN-95-60034] p 68 A95-62142

Effect of heat stress on muscle energy metabolism during exercise
[HTN-95-70453] p 219 A95-71475

Exercise, potassium, and muscle deconditioning post-thoracic organ transplantation
[HTN-95-70461] p 221 A95-71483

Soft palate muscle activity in response to hypoxic hypercapnia
[HTN-95-70466] p 222 A95-71488

Aerobic muscle contraction impaired by serotonin-mediated vasoconstriction
[HTN-95-A0610] p 275 A95-74311

Effects of lung volume and surface forces on maximal airway smooth muscle shortening
[HTN-95-A0650] p 285 A95-74351

Modification of forearm resistance vessels by exercise training in young men
[HTN-95-A0658] p 286 A95-74359

Decline running produces more sacomeres in rat vastus intermedius muscle fibers than does incline running
[HTN-95-A0720] p 301 A95-75289

Effect of detraining on GLUT-4 protein in human skeletal muscle
[HTN-95-A0730] p 303 A95-75299

Effect of carbohydrate ingestion on glucose kinetics during exercise
[HTN-95-A0731] p 304 A95-75300

Skeletal muscle GLUT-4 and glucose uptake during exercise in humans
[HTN-95-A0735] p 304 A95-75304

Thyroid cartilage movements during breathing
[HTN-95-91882] p 335 A95-81984

Evaluation of a transit-time system for the chronic measurement of blood flow in conscious sheep
[HTN-95-91892] p 338 A95-81994

Ventilatory response to isocapnic hypercoia
[HTN-95-91914] p 343 A95-82016

Influence of muscle glycogen on glycogenolysis and glucose uptake during exercise in humans
[HTN-95-21589] p 372 A95-83374

Dynamic mutations
[HTN-95-00506] p 375 A95-83386

DNA binding compounds. 6: Synthesis and characterization of 2,5'-disubstituted bibenzimidazoles related to the DNA monitor groove binder Hoechst 33258
[HTN-95-42419] p 378 A95-86248

Physiological assessment of the RNZAF constant wear immersion suit: Laboratory and field trials
[HTN-95-92909] p 444 A95-91847

The hidden messages or a gestalt view of pilot training p 503 A95-95143

Some implications of pilots' approaches to learning p 503 A95-95149

Habitability of Australian Antarctic stations p 24 N95-11603

Evaluation of Pureau water for use as emergency drinking water for ADF aircraft
[MRL-TN-648] p 181 N95-19502

AUSTRIA

No increase of sound velocity in venous blood and plasma with lower body suction on 6th day in microgravity p 440 A95-88581

Comparison of hemodynamic and volume responses to different levels of lower body suction and head-up tilt p 87 N95-15107

Transient blood/plasma density and hematocrit effects after passive (sitting) thermoneutral water immersion in men p 89 N95-15131

The use of radioisotopes in human experiments: Comments in response to recent media articles
[DE95-605680] p 354 N95-25981

Towards a framework of human factors certification of complex human-machine systems p 542 N95-34779

B

BELGIUM

Theoretical basis for time 0 correction in the rebreathing analysis
[HTN-95-10068] p 50 A95-61919

Effect of cold pressor test on single-breath DL(sub CO) in normal subjects
[HTN-95-60058] p 74 A95-62166

One-dimensional simulation of aerosol transport and deposition in the human lung
[HTN-95-70494] p 228 A95-71516

Adverse effect of hyperinflation on parasternal intercostals
[HTN-95-50853] p 234 A95-73043

Stimulus-response curve of hypoxic pulmonary vasoconstriction in intact dogs: Effects of ASA
[HTN-95-A0629] p 280 A95-74330

Effects of a chronic aortopulmonary shunt on pulmonary hemodynamics in piglets
[HTN-95-A0632] p 280 A95-74333

Anatomy of membranous bronchioles in normal, senile, and emphysematous human lungs
[HTN-95-A0662] p 287 A95-74363

Effects of increased +G(sub z) on chest wall mechanics in humans
[HTN-95-00433] p 328 A95-81950

Corticosteroid treatment and nutritional deprivation cause a different pattern of atrophy in rat diaphragm
[HTN-95-91905] p 341 A95-82007

Isolation of the physiological regulation component of the arterial pressure time variation after postural stresses by a model of the gravitational and arterial kinking effects p 91 N95-15149

The way to waivers in the BAF p 161 N95-19415

Beware of agents when flying aircraft: Basic principles behind a generic methodology for the evaluation and certification of advanced aviation systems p 544 N95-34787

BRAZIL

Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: A model for primitive energy-conservation pathways
[HTN-95-01235] p 427 A95-91467

Adsorption of 5'-AMP and catalytic synthesis of 5'-ADP onto phosphate surfaces: Correlation to solid matrix structures
[HTN-95-01236] p 427 A95-91468

Greyout, blackout, and G-loss of consciousness in the Brazilian air force: A 1991-92 survey
[HTN-95-12211] p 448 A95-91911

A supersymmetric family of harmonic oscillators simulating H-bonds in DNA p 308 N95-22963

Application of compartmental metabolic models for determination of retention and excretion functions
[DE95-600249] p 352 N95-24367

BULGARIA

'SVET' space greenhouse onboard experiment data received from 'MIR' station and future prospects p 481 A95-93804

BYELARUS

The reverse genetic code and the central dogma of molecular biology p 120 A95-63829

C

CANADA

Educational projects in Space Life Sciences in Canada
[ISBN 0-08-042485-6] p 12 A95-60691

Response to rest and exercise in the cold: Effects of age and aerobic fitness
[HTN-95-10052] p 46 A95-61903

Diaphragm injury and myofibrillar structure induced by resistive loading
[HTN-95-10056] p 47 A95-61907

Fluid-regulating and sympathoadrenal hormonal responses to peak exercise following cardiac transplantation
[HTN-95-10057] p 47 A95-61908

Role of central respiratory muscle fatigue in endurance exercise in normal subjects
[HTN-95-10058] p 47 A95-61909

Effects of exercise and glycogen depletion on glyconeogenesis in muscle
[HTN-95-10063] p 53 A95-61934

Measurement of temporal changes in three-equation single breath diffusing capacity of the lung for carbon monoxide from small alveolar samples in normal subjects
[HTN-95-10089] p 55 A95-61940

Ventilatory responses to hypoxia in rats pretreated with nonpeptide NK(sub 1) receptor antagonist CP-96,345
[HTN-95-10092] p 56 A95-61943

Metabolic-ventilatory interaction in conscious rats: Effect of hypoxia and ambient temperature
[HTN-95-10095] p 57 A95-61946

Respective oxidation of exogenous glucose and fructose given in the same drink during exercise
[HTN-95-10110] p 60 A95-61961

Effect of chronic acetazolamide administration on gas exchange and acid-base control after maximal exercise
[HTN-95-10119] p 63 A95-61970

Differential effects of voluntary and involuntary activation on contractile characteristics of two human muscles
[HTN-95-10124] p 64 A95-61975

FOREIGN

Blood flow, mitochondria, and performance in skeletal muscle after denervation and reinnervation
[HTN-95-60043] p 70 A95-62151
Relationship between intracellular pH, extracellular pH, and ventilation during dilution acidosis
[HTN-95-60051] p 72 A95-62159
Three-dimensional reconstruction of the in vivo human diaphragm shape at different lung volumes
[HTN-95-60056] p 73 A95-62164
Effects of pregnacy and chronic exercise on respiratory responses to graded exercise
[HTN-95-70077] p 76 A95-62519
Role of blood as heat source or sink in human limbs during local cooling and heating
[HTN-95-70092] p 80 A95-62534
Optical searches for Venusian lightning: Implications for nightside field and plasma relationships
[HTN-95-50108] p 181 A95-63320
Evolution of biocatalysts: Ribozymes may have been preceded by 'chelazymes' p 116 A95-63809
Field analysis of dielectric-loaded lens applicator for microwave hyperthermia
[BTN-94-EIX94361134953] p 145 A95-65203
Discrete velocity model for an escaping single-component atmosphere
[HTN-95-50283] p 187 A95-65778
Laboratory astrophysics and molecular astronomy of pure carbon molecules p 189 A95-66753
Hypoxia similarly impairs metabolic responses to cutaneous and core cold stimuli in conscious rats
[HTN-95-A0127] p 201 A95-68910
Performance and metabolic effects of benzodiazepine during submaximal exercise
[HTN-95-A0137] p 204 A95-68920
Influence of lung volume dependence of upper airway resistance during continuous negative airway pressure
[HTN-95-A0138] p 204 A95-68921
Pulmonary gas exchange during exercise in athletes. 1: Ventilation-perfusion mismatch and diffusion limitation
[HTN-95-A0145] p 206 A95-68928
High physiological levels of epinephrine do not enhance muscle glycogenolysis during tetanic stimulation
[HTN-95-A0149] p 207 A95-68932
Lung volumes and expiratory flow limitation during exercise in interstitial lung disease
[HTN-95-A0150] p 207 A95-68933
Surface activity of lipid extract surfactant in relation to film area compression and collapse
[HTN-95-A0151] p 207 A95-68934
Cardiorespiratory kinetics and femoral artery blood velocity during dynamic knee extension exercise
[HTN-95-70456] p 220 A95-71478
Hamsters vs. rats: Metabolic and ventilatory response to development in chronic hypoxia
[HTN-95-70471] p 223 A95-71493
Rapid neutrophil accumulation and protein oxidation in irradiated rat lungs
[HTN-95-70478] p 225 A95-71500
Effect of inhaled budesonide on ozone-induced airway hyperresponsiveness and bronchoalveolar lavage cells in dogs
[HTN-95-70485] p 226 A95-71507
Regional diaphragm shortening measured by sonomicrometry
[HTN-95-70492] p 228 A95-71514
Influence of site of tracheal pressure measurement on in situ estimation of endotracheal tube resistance
[HTN-95-70495] p 229 A95-71517
Crosscultural perspectives in human factors training: Lessons from the ICAO Human Factors Program
[HTN-95-A0506] p 260 A95-72577
Effects of acute and chronic maternal exercise on fetal heart rate
[HTN-95-50854] p 234 A95-73044
Diaphragmatic pressure-flow relationship during hemorrhagic shock: Role of nitric oxide
[HTN-95-50856] p 235 A95-73046
Effects of altered muscle activation on oxidation enzyme activity in rat alpha-motoneurons
[HTN-95-50858] p 235 A95-73048
Blood lactate and acid-base balance in graded neonatal hypoxia: Evidence for oxygen-restricted metabolism
[HTN-95-50861] p 236 A95-73051
A simple isokinetic cycle for measurement of leg muscle function
[HTN-95-50868] p 237 A95-73058
Acute pulmonary response to intravenous histamine using forced oscillations through alveolar capsules in dogs
[HTN-95-50889] p 242 A95-73079
Reduced spontaneous baroreflex response slope during lower body negative pressure after 28 days of head-down bed rest
[HTN-95-A0591] p 270 A95-74292
An ATP-sensitive potassium channel blocker decreases diaphragmatic circulation in anesthetized dogs
[HTN-95-A0595] p 271 A95-74296
Contributions of capillary pathway size and neutrophil deformability to neutrophil transit through rabbit lungs
[HTN-95-A0628] p 279 A95-74329
Effect of elastase on oscillation mechanics of lung parenchymal strips
[HTN-95-A0637] p 282 A95-74338
Erythrocyte and polymorphonuclear cell transit time and concentration in human pulmonary capillaries
[HTN-95-A0656] p 286 A95-74357
Human skeletal muscle adaptation in response to chronic low-frequency electrical stimulation
[HTN-95-A0663] p 287 A95-74364
Oxygen uptake kinetics in cardiac transplant recipients
[HTN-95-A0671] p 289 A95-74372
Structural composition of lung parenchymal strip and mechanical behavior during sinusoidal oscillation
[HTN-95-A0680] p 291 A95-74381
Metabolic and ventilatory responses to anemic hypoxia in conscious rats
[HTN-95-A0683] p 292 A95-75252
Pathological O2 supply dependence of diaphragmatic and systemic O2 uptake during endotoxemia
[HTN-95-A0687] p 293 A95-75256
Ventilator pattern influences neutrophil influx and activation in atelectasis-prone rabbit lung
[HTN-95-A0710] p 298 A95-75279
An approach to the study of upper airway function in humans
[HTN-95-A0713] p 299 A95-75282
Abdominal muscle activity during hypercapnia in awake dogs
[HTN-95-A0714] p 299 A95-75283
Effects of spaceflight on morphology of the rat adenohypophysis
[HTN-95-A0717] p 300 A95-75286
Damage due to ultraviolet and ionizing radiation during the ejection of shielded micro-organisms from the vicinity of 1 solar mass main sequence and red giant stars
[HTN-95-41737] p 358 A95-79659
Radiation: What determines the risk?
p 350 A95-81450
K(+) and Lac(-) distribution in humans during and after high-intensity exercise: Role in muscle fatigue attenuation?
[HTN-95-00407] p 321 A95-81924
Metabolic, catecholamine, and exercise performance responses to various doses of caffeine
[HTN-95-00419] p 324 A95-81936
Changes in regional lung impedance after intravenous histamine bolus in dogs: Effects of lung volume
[HTN-95-00420] p 324 A95-81937
Performance and excitability of mdx mouse muscle at 2, 5, and 13 wk of age
[HTN-95-00429] p 327 A95-81946
Dynamic measurement of tracheal diameter in dogs
[HTN-95-91875] p 334 A95-81977
Sulfide-induced perturbations of the neuronal mechanisms controlling breathing in rats
[HTN-95-91881] p 335 A95-81983
N(sup G)-nitro-L-arginine and phenylephrine have similar effects on the vascular waterfall in the canine hindlimb
[HTN-95-91886] p 336 A95-81988
Endogenous nitric oxide influences acetylcholine-induced bronchovascular dilation in sheep
[HTN-95-91894] p 338 A95-81996
Determinants of airway smooth muscle shortening in exised canine lobes
[HTN-95-91902] p 340 A95-82004
Antiasthmatic effects of a leukotriene biosynthesis inhibitor (MK-0591) in allergic dogs
[HTN-95-91903] p 340 A95-82005
Changes in human skeletal muscle ultrastructure and force production after acute resistance exercise
[HTN-95-91915] p 343 A95-82017
Effects of hypoxia and hypercapnia on the Hering-Breuer reflex of the conscious newborn rat
[HTN-95-21554] p 364 A95-83339
Bronchomotor responses to hypoxia and hypercapnia in decerebrate cats
[HTN-95-21568] p 367 A95-83353
Lung growth in hypobaric normoxia, normobaric hypoxia and hypobaric hypoxia in growing rats. 1: Biochemistry
[HTN-95-21569] p 367 A95-83354
Adaptations in muscle metabolism to prolonged voluntary exercise and training
[HTN-95-21571] p 368 A95-83356
Measurment of intestinal vascular capacitance in dogs: An application of blood pool scintigraphy
[HTN-95-21582] p 370 A95-83367
How mode of stimulus affects the relative contribution of elastance and hysteresivity to changes in lung tissue resistance
[HTN-95-21588] p 372 A95-83373
A conceptual model of overexertion, safety, and risk of injury in occupational settings
[HTN-95-B0070] p 377 A95-85886
P300 as a measure of workload during a simulated aircraft landing task
[HTN-95-20755] p 390 A95-86645
Laser induced tissue temperature changes
p 432 A95-87816
Model reference adaptive control for robotic manipulators without velocity measurements
[HTN-95-21046] p 465 A95-90423
The effect of varying time at -Gz on subsequent +Gz physiological tolerance (push-pull effect)
[HTN-95-01207] p 444 A95-91439
Spatial disorientation-implicated accidents in Canadian forces, 1982-92
[HTN-95-92917] p 445 A95-91855
Long term stability of somatosensory evoked potentials and the effects of microgravity
[HTN-95-12205] p 447 A95-91905
A comparison of visual and auditory reaction time and P300 latency thresholds to acute hypoxia
[HTN-95-12206] p 447 A95-91906
Effect of triazolam on responses to a cold-water immersion in humans
[HTN-95-12207] p 447 A95-91907
Degradation of phenanthrene and pyrene by microorganisms isolated from marine sediment and seawater
[GTN-95-00489697-4188] p 430 A95-92258
Control of microorganisms in flowing nutrient solutions
p 481 A95-93807
Design and engineering aspects of a high resolution positron tomograph for small animal imaging
[BTN-95-EIX95332424643] p 485 A95-94901
A computerized selection test for Canadian forces Air Traffic Controllers p 498 A95-95103
Cross-cultural perspectives in Human Factors training: The lessons from the ICAO Human Factors programme
p 502 A95-95131
Emergency manoeuvre pilot training in a low-cost flight simulator p 503 A95-95148
Development of electrophysiological measures of GA pilot workload p 507 A95-95178
Human factors training for the investigator: The results of a systems approach to training development
p 523 A95-95207
Second International Design for Extreme Environment Assembly (IDEEA Two). Growth and Environment: Challenging Extreme Frontiers
[ISBN-0-7717-0267-1] p 23 N95-11600
Strength training as a counter-measure for microgravity effects p 18 N95-11608
Analysis of the human operator subsystems
p 97 N95-14019
The human operator transfer function: Identification of the limb mechanics subsystem p 99 N95-14040
Cell culture and transplantation of the suprachiasmatic circadian pacemaker
[AD-A280977] p 148 N95-16481
Neurophysiological analysis of circadian rhythm entrainment
[AD-A280981] p 148 N95-16484
Implementation of a human information processing model for task network simulation
[AD-A283903] p 174 N95-18151
Enhancement of cell mediated immunity through non-specific immunostimulation with liposome encapsulated gamma-interferon
[AD-A279667] p 252 N95-20602
Thermal resistance of the cheek in cold air
[AD-A286257] p 256 N95-22001
Genetics and the unity of biology
[DE95-006484] p 431 N95-29471
Life sciences program
[NASA-CR-197658] p 432 N95-30292
Methods for measuring physiological responses and protection in man exposed to high +G(z)
p 532 N95-34058
Integrating human factors knowledge into certification: The point of view of the Internatioanal Civil Aviation Organization (ICAO) p 543 N95-34782

CHILE

Selective mutations in molecular evolution
p 138 A95-63912
On the nature of mutations in molecular evolution
p 423 A95-88747

CHINA

Mammalian cell cultivation in space
p 27 A95-61564
NMR studies on the weak interactions between amino acids and nucleotides p 126 A95-63853
HT-7 machine control system
[BTN-94-EIX94301313413] p 175 A95-64205

Higher exercise performance and lower dot-VO2(sub max) in Tibetan than Han residents at 4,700 m altitude
[HTN-95-A0123] p 201 A95-68906
Enhancing effects of simulated microgravity on Agrobacterium-infected frequency of tobacco callus
[HTN-95-60850] p 319 A95-78304
Physical mechanisms of mutation induced by low energy ion implantation
[GTN-95-0168583X94006091-57] p 363 A95-83090
Simulation of an ultrafast laser pulse propagation in breast tissues p 434 A95-87824
Clinical application of laser channelization of blocked peripheral arteries p 434 A95-87828
Changes of some hormones and inorganic salts in evoked motion sickness
[HTN-95-93115] p 490 A95-95616
Effect of space conditions on the superoxide dismutase and other enzymes from B. subtilis
[HTN-95-93116] p 485 A95-95617
Suppression of the crossterm in Wigner distribution by ambiguity function and its application to heart sound signal analysis
[HTN-95-93117] p 485 A95-95618
Algorithm for real-time detection of QRS complex in ECG signal
[HTN-95-93118] p 491 A95-95619
Absorption and steam desorption performance of weak base anion exchange resin
[HTN-95-93119] p 523 A95-95620
Medical observation of oxygen supply with superoxide regeneration methods in simulated cabin
[HTN-95-93120] p 523 A95-95621
Short-term test of dichloromethane toxicity in closed space
[HTN-95-93121] p 485 A95-95622
Effects of large dose vitamin C on the physical and chemical characteristics of femura in tail-suspended rats
[HTN-95-93122] p 486 A95-95623
A study on changes of glycosaminoglycan and minerals in calvariae and vertebrae in rats after exposure to simulated weightlessness
[HTN-95-93123] p 486 A95-95624
Alterations of gastrin, somatostatin, serotonin and chromogranin A immunoreactive cells in gastric antrum of tail suspended rats
[HTN-95-93124] p 486 A95-95625
Experiments on mice during the Earth orbital flight in China
[HTN-95-93125] p 486 A95-95626
Absorption of ultra-short wave radiant energy by white rats
[HTN-95-93126] p 486 A95-95627
Changes in ECG in ground squirrels under several special conditions
[HTN-95-93127] p 487 A95-95628
A study of zinc copper and manganese metabolism during military exercises in high temperature environment
[HTN-95-93128] p 491 A95-95629
Head cooling in hyperthermia
[HTN-95-93129] p 491 A95-95630
Cardiovascular deconditioning effects of long-term simulated weightlessness in rats p 43 N95-15099
Research on PGI2 and TXA2 effects at times of hyperbaric oxygenation of domestic rabbits with acute cerebral ischemia reirrigation damage
[AD-A289606] p 431 N95-29263
Wide field of view helmet display systems mounted for helicopter simulation
[AD-A293123] p 524 N95-30688

CZECHOSLOVAKIA

Abstracts from the International Conference on Nuclear Analytical Methods in the Life Sciences
[DE94-621923] p 27 N95-11728
Behaviour of newly hatched and adult Japanese quail and the feasibility of adaptation to weightlessness
p 43 N95-15106
Activity of ornithine decarboxylase in muscle of Japanese quail in hypergravity conditions
p 45 N95-15144
Medication in the course of active flying duty
p 168 N95-19443

D

DENMARK

Development of plant protoplasts during the IML-1 mission
[ISBN 0-08-042485-6] p 6 A95-60655
Precision and accuracy of a noninvasive inert gas washin method for determination of cardiac output in men
[HTN-95-10100] p 58 A95-61951
Kinetics of lactate transport in sarcolemmal giant vesicles obtained from human skeletal muscle
[HTN-95-10111] p 61 A95-61962
Exercise-induced changes in plasma catecholamines and neuropeptide Y: Relation to age and sampling times
[HTN-95-10122] p 63 A95-61973
(31)P-NMR spectroscopy, rsEMG, and histochemical fiber types of human wrist flexor muscles
[HTN-95-60033] p 68 A95-62141
Albuminuria and overall capillary permeability of albumin in acute altitude hypoxia
[HTN-95-70094] p 80 A95-62536
Peptide nucleic acid (PNA): A model structure for the primordial genetic material? p 114 A95-63799
Volume-homeostatic mechanisms in humans during graded water immersion
[HTN-95-70483] p 226 A95-71505
Peptide nucleic acid (PNA): A model structure for the primordial genetic material?
[HTN-95-A0481] p 231 A95-72552
Restricted postexercise pulmonary diffusion capacity does not impair maximal transport for O2
[HTN-95-50893] p 243 A95-73083
Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC
[HTN-95-A0593] p 271 A95-74294
Lactate transport studied in sarcolemmal giant vesicles from human muscle biopsies: Relation to training status
[HTN-95-A0660] p 287 A95-74361
Muscle lactate metabolism in recovery from intense exhaustive exercise: Impact of light exercise
[HTN-95-A0664] p 288 A95-74365
Natural killer cell response to exercise in humans: Effect of hypoxia and epidural anesthesia
[HTN-95-91916] p 343 A95-82018
Training and muscle ammonia and amino acid metabolism in humans during prolonged exercise
[HTN-95-91918] p 344 A95-82020
Dynamic exercise enhances regional cerebral artery mean flow velocity
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p 482 A95-93810
Gravitational stress and regulation of neuroendocrine elements and fluid volume in humans
p 85 N95-15090

E

EGYPT

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[HTN-95-01210] p 444 A95-91442

ESTONIA

Glucocorticoids in metabolic control during exercise: Alanine metabolism
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p 117 A95-63815
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p 134 A95-63887

F

FINLAND

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Catalytic studies of biomimetic molecular systems and origin of life p 116 A95-63807
Associative behavior of the 'possibly prebiotic' acyclic oligonucleotides p 122 A95-63837
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Physiological considerations concerning Positive Pressure Breathing (PBG) during +Gz p 89 N95-15126
Alterations of body temperature, feeding, drinking and sleep-wake circadian rhythms in Rhesus monkey during a 19 day Spacelab flight simulation p 45 N95-15132
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[AGARD-CP-553] p 161 N95-19413
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Some inadequacies of the current human factors certification process of advanced aircraft technologies p 544 N95-34785
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G

GERMANY
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The origin of genetic information p 123 A95-63843
Life in Isua times? A frontier revisited p 127 A95-63857
Possibilities of spontaneous generation of optical (photochemical) activity through autocatalysis p 131 A95-63877
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Phosphorus as a potential guide in the search for extinct life on Mars p 216 A95-66775
Biochemical constraints for survival under martian conditions p 192 A95-66778
Planetary protection considerations for MarsNet and Mars sample return missions p 217 A95-66789
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[HTN-95-A0485] p 231 A95-72556

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p 349 A95-81440
Biological responses to space: Results of the experiment 'Exobiological Unit' of ERA on EURECA I
p 404 A95-83983
ERA-experiment 'space biochemistry'
p 404 A95-83984
Simultaneous discrimination of the spatial frequency and contrast of periodic stimuli
[BTN-94-EIX95012419657] p 388 A95-84375
Behavioural changes in Paramecium and Didinium exposed to short-term microgravity and hypergravity
p 407 A95-87297
Gravity effects on connective tissue biosynthesis by cultured mesenchymal cells p 407 A95-87298
A theory of gravikinesis in Paramecium
p 408 A95-87487
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p 409 A95-87492
Influence of long-term altered gravity on the swimming performance of developing cichlid fish: Including results from the 2nd German Spacelab Mission D-2
p 411 A95-87503
Influence of altered gravity on brain cellular energy and plasma membrane metabolism of developing lower aquatic vertebrates p 411 A95-87504
Studies of the interaction of gravity with biological membranes using alamethicin doped planar lipid bilayers as a model system p 411 A95-87506
Gravimorphogenesis and ultrastructure of the fungus Flammulina velutipes grown in space, on clinostats and under hyper-G conditions p 412 A95-87512
Early development in aquatic vertebrates in near weightlessness during the D-2 mission STATEX project
p 415 A95-87525
Histochemical investigations on the influence of long-term altered gravity on the CNS of developing cichlid fish: Results from the 2nd German spacelab mission D-2
p 415 A95-87526
Influence of altered gravity on the cytochemical localization of cytochrome oxidase activity in central and peripheral gravisensory systems in developing cichlid fish p 415 A95-87527
Spacemotion sickness: Various current hypothesis, possibilities of prediction, prevention and treatment
p 437 A95-88562
The fluid content of the shell tissues of the human body under different experimental conditions
p 437 A95-88564
Volume regulation in humans during weightlessness
p 438 A95-88568
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p 444 A95-90863
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p 500 A95-95116
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The Teleprasenz Consortium: Structure and intentions
p 99 N95-14039
Will man need the vestibular system in generations to come? p 86 N95-15092
The influence of gravity on vestibular nystagmus in humans p 88 N95-15121
Effects of microgravity on interstitial muscle receptors affecting heart rate and blood pressure during static exercise p 90 N95-15137
Orthostatic stress by lower body negative pressure and its body fluid distribution kinetics under microgravity
p 90 N95-15138
Relevance of laboratory tests in aeromedical decisions p 163 N95-19420
Neurological decision making in aviation medicine based on electrophysiological methods p 165 N95-19431
Clinical practice, diagnosis and therapy of intervertebral disk lesion: Importance to fitness for military flying duties
p 166 N95-19435
Spinal nerve syndromes: The need to confirm the diagnosis with neurophysiological examinations
p 166 N95-19436
Proton-induced fragmentation of carbon at energies below 100 MeV p 527 N95-32720
Estimation of spatially restricted LET using track structure models p 527 N95-32722
Heavy ion induced DNA-DSB in yeast and mammalian cells p 527 N95-32723
Inactivation, DNA double strand break induction and their rejoining in bacterial cells irradiated with heavy ions
p 528 N95-32724
DNA-DSB in CHO-K1 cells induced by heavy-ions: Break rejoining and residual damage (GSI)
p 528 N95-32725
Chromosomal damage observed in first postirradiation metaphases of repair-proficient and -deficient cell lines
p 528 N95-32726
Mutation induction in bacteria after heavy ion irradiation p 528 N95-32727
Heavy ion induced mutations in mammalian cells: Cross sections and molecular analysis p 529 N95-32728
Heavy ion action on single cells: Cellular inactivation capability of single accelerated heavy ions
p 529 N95-32729
Cosmic heavy ion tracks in mesoscopic biological test objects p 529 N95-32730
X-ray-provoked non-Mendelian transgenerational oncodeterminants p 529 N95-32731
Selection and training of MiG-29 and future fighter pilots p 534 N95-34059

GREECE

Flight nurse school in the Hellenic Air Force
p 452 N95-29629

H

HUNGARY

Effect of short- and long-term spaceflight on the contractile properties of rat skeletal muscles with different functions p 45 N95-15141

I

INDIA

Oxidation of aniline on the metal ferrocyanides
p 112 A95-63787
Copper complexes: Model for early enzymes
p 122 A95-63838
Biochemical markers in Precambrian sediments - Indian subcontinent p 128 A95-63863
Archaebacterial ribulose bisphosphate carboxylase
p 136 A95-63914
Role of metal ferrocyanides in chemical evolution
[HTN-95-10292] p 140 A95-64054
Extinction of dinosaurs: A possible novel cause
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p 407 A95-87299

IRELAND

LOS/LOFT debriefing skills and techniques
p 500 A95-95119
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ISRAEL

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[HTN-95-01209] p 425 A95-91441
Factors affecting differences in supine, sitting, and standing heart rate: The Israeli CORDIS study
[HTN-95-01216] p 426 A95-91448
Human operator tracking performance with a vibrotactile display p 100 N95-14049
Membrane fluidity and shape of human red blood cells are altered by physiological levels of hydrostatic pressure
[AD-A290595] p 452 N95-29557
Effect of mild hydrostatic pressure on red blood cells
[AD-A290520] p 453 N95-29672
Laser induced vitreoretinal scarring. Evaluation of causative factors and a therapeutic approach
[AD-A293742] p 493 N95-31570

ITALY

Prebiotic molecules in comets p 183 A95-63756
Ion irradiation of organic and biological materials
p 111 A95-63781
Cilium (undulipodium): Origin and geometry
p 134 A95-63866
The phylogeny of tRNA molecules and the origin of the genetic code
[HTN-95-10289] p 140 A95-64051
Production and evolution of carbonaceous material by ion irradiation in space p 218 A95-66801
Myosin isoforms in mammalian skeletal muscle
[HTN-95-A0102] p 195 A95-68885
Chest wall interrupter resistance in anesthetized paralyzed humans
[HTN-95-A0142] p 205 A95-68925
Effect of acclimatization to high altitude (5,050 m) on motor unit activation pattern and muscle performance
[HTN-95-70454] p 219 A95-71476
Regulation of bioenergetics in O2-limited isolated rat hearts
[HTN-95-70481] p 225 A95-71503
Sex differences in surface electromyogram (EMG) interference pattern power spectrum
[HTN-95-50849] p 233 A95-73039
Pulmonary interstitial pressure in anesthetized paralyzed newborn rabbits
[HTN-95-50896] p 244 A95-73086
Short-lived dissipative nanostructures in solids: Did phase-ordered phonons contribute to biopolymer evolution?
[HTN-95-41643] p 358 A95-78738
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Teleoperator response in a touch task with different display conditions
[BTN-95-EIX95262697087] p 457 A95-86876
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[HTN-95-21049] p 465 A95-90426
Annual nutrient exchanges between the central lagoon of Venice and the northern Adriatic Sea
[GTN-95-00489697-4201] p 430 A95-92260
Concordia Station p 23 N95-11602
Moon base habitability aspects: Permanent Moon outpost p 24 N95-11615
Habitat for short duration lunar mission
p 25 N95-11616
On-Earth evaluation of the neurovestibular tolerance to centrifuge simulated artificial gravity in humans
p 88 N95-15120
Physiologic mechanisms effecting circulatory and body fluid losses in weightlessness as shown by mathematical modeling p 89 N95-15129
Multimodal correlation and intraoperative matching of virtual models in neurosurgery p 145 N95-15976

TSH determination in subjects with medium-low levels of serum thyroxine p 163 N95-19421
Neuropsychophysiologic sequelae of mild head injury p 165 N95-19430
Membrane phase separations, asymmetry and implications in the origin of life [DE94-628486] p 308 N95-23050
Enhancement of biomembrane functions under phase-separated conditions: A self-organized criticality phenomenon? [DE94-628489] p 308 N95-23053
The origin of chirality in protein amino acids [DE94-628491] p 308 N95-23058
Molecular relics from chemical evolution and the origin of life [DE94-628493] p 308 N95-23060
The electrical behaviour of an excitable cell at different conditions [DE95-607911] p 381 N95-27254
SIRPH: Steerable infrared picture on helmet mounted display p 536 N95-32504

J

JAPAN
Changes of endolymphatic pressure in the semicircular canal of pigeon by calorie stimulation [ISBN 0-08-042485-6] p 11 A95-60679
Behavior of Japanese tree frogs under microgravity on MIR and in parabolic flight [ISBN-0-08-042485-6] p 11 A95-60685
Overwintering in the Antarctica as an analog for long term manned spaceflight [ISBN-0-08-042485-6] p 15 A95-60686
Role of endogenous adenosine in hypoxic ventilatory response in humans: A study with dipyridamole [HTN-95-10065] p 49 A95-61916
Angiotensin II 1 receptor-mediated contraction of pulmonary artery and its modulation by prolylcarboxypeptidase [HTN-95-10091] p 56 A95-61942
Right atrial pressure and ANP release during prolonged exercise in a hot envionment [HTN-95-70075] p 76 A95-62517
Application of an air-filled tube for measuring intraesophageal pressure [HTN-95-70099] p 81 A95-62541
Vegetative growth of higher plants on a three-dimensional clinostat [HTN-95-90031] p 41 A95-62822
Influence of gravity on the eye movement response elicited by periodic lateral linear acceleration [HTN-95-90032] p 82 A95-62823
Hormonal responses to head-out water immersion diminish after exposure to head-down tilt [HTN-95-90033] p 82 A95-62824
Are periodicities in crater formations and mass extinctions related? [HTN-95-50109] p 105 A95-63321
Small angle neutron scattering from lysozyme in unsaturated solutions, to characterize the pre-crystallization process [BTN-94-EIX94341340604] p 105 A95-63569
Specific effect of magnesium ion on AMP synthesis from adenosine and trimetaphosphate in aqueous solution p 107 A95-63758
Prebiotic organic compounds in Antarctic carbonaceous chondrites p 107 A95-63760
Prebiotic formation of bioorganic compounds by cosmic radiation under terrestrial and extraterrestrial conditions p 109 A95-63768
Formation of sugar-like materials from formaldehyde over mordenite and hydrotalcite catalyst p 110 A95-63777
Contact Glow Discharge Electrolysis against aqueous solution containing aminoacetonitrile p 111 A95-63780
Mechanism of the selective radio decomposition of alanine in the glycine-alanine mixed solutions p 111 A95-63782
An approach to prebiotic synthesis of oligoribonucleotides p 114 A95-63797
Origin of primitive translating systems p 114 A95-63798
2-Aminopropionitrile polymer p 116 A95-63810
Poly-tRNA theory on the origin of mRNA and genetic codes p 117 A95-63813
Thermal hetercomplex molecules from amino acids and their catalytic capabilities p 122 A95-63839
Syntheses of protein-like copoly (amino acids) -- A possible route for the formation of photoprotein p 123 A95-63841
Autocatalytic accretion of prebiotic molecules in aqueous environments p 123 A95-63842
Spontaneous formation of helical strands from phospholipid-nucleoside conjugates and their replicating systems p 124 A95-63847
Origin of eukaryotic cell -autogenous process from cyanobacterial world p 133 A95-63885
Formation and alteration of organic compounds under submarine hydrothermal vent environments p 134 A95-63889
Redox ribonucleosides: Isolation and characterization of 5-hydroxycytidine, 5-hydroxyuridine, 8-hydroxyguanosine and 8-hydroxyadenosine from Torula Yeast RNA p 139 A95-63922
Calculation of characteristic x rays in diagnostic d-ray spectrum [BTN-94-EIX94341341389] p 145 A95-65124
Terraforming with nanotechnology [HTN-95-60319] p 186 A95-65618
Formation of bioorganic compounds in planetary atmospheres by cosmic radiation p 214 A95-66766
Studies in the search for life on Mars p 192 A95-66779
Regional lung hematocrit variation and assessment of acute lung injury [HTN-95-A0111] p 198 A95-68894
Ca(2+) and lipolysis in adipocytes from exercise-trained rats [HTN-95-70462] p 221 A95-71484
Enhancement of parasympathetic cardiac activity during activation of muscle metaboreflex in humans [HTN-95-70472] p 223 A95-71494
Assessment of frequency shifts in R-R interval variability and respiration with complex demodulation [HTN-95-70476] p 224 A95-71498
Self-regulated insulin delivery system using boronic acid gel [BTN-94-EIX94381359518] p 250 A95-71755
The evolutionary change of the genetic code as restricted by the anticodon and identity of transfer RNA [HTN-95-A0483] p 231 A95-72554
Respiratory muscle pressure analysis in pressure-support ventilation [HTN-95-50890] p 242 A95-73080
Effect of aminophylline on plasma (K(+)) and hypoxic ventilatory response during mild exercise in men [HTN-95-A0651] p 285 A95-74352
Effect of pulmonary blood flow on microvascular pressure profile determined by micropuncture in perfused cat lungs [HTN-95-A0659] p 286 A95-74360
Evaluation of dynamic response of catheter-manometer systems for pulmonary arterial pressure [HTN-95-A0679] p 291 A95-74380
Effects of ONO-5046, a specific neutrophil elastase inhibitor, on endotoxin-induced lung injury in sheep [HTN-95-A0708] p 298 A95-75277
Alteration of plasma endothelin-1 by exercise at intensities lower and higher than ventilatory threshold [HTN-95-A0715] p 300 A95-75284
Effects of salts and metal oxides on electrochemical and optical properties of streptococcus mutans [BTN-95-EIX95122531759] p 320 A95-79005
Responses of brown adipose tissue activity to unloading in rats [HTN-95-91874] p 333 A95-81976
Inhibition of neutral endopeptidase increases airway responsiveness to ACh in nonsensitized normal rats [HTN-95-91876] p 334 A95-81978
A sliding mode control for two-link flexible manipulator p 394 A95-82463
Tracking control of space manipulator using H-infinity theory p 394 A95-82464
Space robot telemanipulation experiment using predictive display p 394 A95-82465
Arm trajectory design of a space robot p 394 A95-82466
Path planning of space manipulator using minimax optimization in time domain p 394 A95-82467
Trajectory plans and motion control of a space robot with two manipulators p 395 A95-82468
Concept of Integrated Manipulator, Power and Attitude Control Technology p 395 A95-82469
Development of an autonomous space robot for retrieving a satellite p 395 A95-82470
Satellite retrieving experiment of free flying telerobot p 395 A95-82471
Carbon dioxide adsorption characteristics of solid amine p 395 A95-82507
A study on metabolism for incorporating plant growing subsystem into CELSS material recycling system p 396 A95-82508
An application and evaluation of a catalyst for waste management wet-oxidization process p 396 A95-82510
Crop condition assessment by spectral reflectance of wheat as influenced by different irrigation levels p 361 A95-82587
Remotely sensed canopy temperatures for scheduling irrigations in wheat crop p 361 A95-82590
Effects of lateral tilt on optokinetic nystagmus, afternystagmus, and eye tracking in humans p 364 A95-82603
Responses of heart rate and blood pressure to KC-135 hyper-gravity p 384 A95-82604
Postural control of fish related to gravity input p 361 A95-82605
Effects of high-energy phosphate contents and/or unloading on contractile properties of hindlimb muscles in rats p 361 A95-82606
Exercise effect on bone remineralization after experimental osteoporosis of tail suspended rat p 362 A95-82607
Influence of suspension with denervation on rat slow and fast muscles: An ultrastructural and biochemical study p 362 A95-82608
Hormonal changes on rat under the hypergravity exposure p 362 A95-82609
Behavior of space frog p 362 A95-82611
Effect of gravity on plant growth and cell wall properties p 363 A95-82613
Growth of the cellular slime mold, Dictyostelium discoideum under altered gravity p 363 A95-82614
Survival rates of terrestrial organisms under simulated solar planetary environments p 363 A95-82616
Formation of organic compounds in space by cosmic radiation p 403 A95-82617
Considerations of extraterresterial life p 403 A95-82618
Development of cell culture facility as JEM generic experiment equipment p 404 A95-82619
Development of cleanbench for life science experiments in Japanese Experiment Module p 396 A95-82620
Wave-absorbing control for flexible manipulator of space robot p 396 A95-82675
Task planning of two robot arms by learning of macro-operators p 396 A95-82676
Heart rate and blood pressure variabilities during graded head-up tilt [HTN-95-21579] p 369 A95-83364
Relationship between atrial natriuretic peptide and plasma volume during graded exercise with water immersion [HTN-95-21580] p 370 A95-83365
Structural and functional characteristics of peripheral pulmonary parenchyma in golden hamsters [HTN-95-21583] p 371 A95-83368
Human pulmonary vascular and venous compliances are reduced before and during left-sided heart failure [HTN-95-21595] p 373 A95-83380
On the absolute meaning of the energy scale approximately kT in the thermal interference involved in enzyme-coupled reactions [HTN-95-92207] p 375 A95-84063
Image sensing and processing by a bacteriorhodopsin-based artificial photoreceptor [BTN-94-EIX95012419652] p 375 A95-84370
Possible use of a 3-D clinostat to analyze plant growth processes under microgravity conditions p 408 A95-87491
AstroNewt: Early development of newt in space p 414 A95-87521
International Symposium on Space Medicine, 3rd, Nagoya, Japan, March 5-7, 1992 [HTN-95-42627] p 436 A95-88558
Comparison of space adaptation and vestibular compensation p 436 A95-88561
Fish physiology for a model of behavioral changes in weightlessness p 416 A95-88567
An observation of vestibular spinal relationship p 438 A95-88569
Convergence of vestibular and callosal afferents on cat cortical neurons in vestibular area 2v p 416 A95-88570
Influence of lateral tilt in optokinetic nystagmus and optokinetic after-nystagmus in humans p 438 A95-88571
Effects of imaginary target on induced eye movements by linear acceleration p 439 A95-88573
Effects of anti-emetics on motion sickness of rats p 416 A95-88575
Difficultie of target motion perception in space p 439 A95-88576
Changes in cardiac output and blood flow distribution in the initial stage of exposure to the microgravitational environment under experimentally simulated conditions in the rabbit p 417 A95-88579
Effects of head down tilt on venous pressure gradients along the vena cava in anesthetized monkeys p 417 A95-88580
Age-related changes and gender difference in sympathetic outflow to muscles against gravitational stress in humans p 440 A95-88582

Age-related changes of sympathetic outflow to muscles in humans during head-out water immersion p 440 A95-88583
Effect of ANP on capillary permeability: A possible role in puffy face p 440 A95-88584
Sweating response to simulated weightlessness p 441 A95-88585
Does sympathetic nerve response to muscle contraction change under weightlessness simulated by water immersion? p 441 A95-88587
Effects of tension production and/or neural activity on the regulation of muscle mass during hindlimb suspension in rats p 417 A95-88588
Metabolic and nutritional problems in simulated microgravity -- influence of suspension hypokinesia on muscle atrophy p 417 A95-88589
Effect of adrenalectomy and orchiectomy on muscle atrophy of rat hindlimbs induced by tail suspension p 418 A95-88590
Ultrastructure of endocrine glands under hypergravity environment: Parathyroid gland and adrenal medulla p 418 A95-88591
Lumbar bone is not the target bone in rat osteoporosis models induced by thyroid hormone excess p 418 A95-88592
Changes in hepatic metabolism through simulated weightlessness: Accumulation of lipids and vitamin A following prolonged immobilization in the rat p 418 A95-88593
Parasympathetic control of blood calcium in acute immobilization is mediated by the stomach in rats p 418 A95-88594
Changes in water- and electrolyte-regulating hormones by head-down tilt under stress conduction (insulin induced hypoglycemia) in man p 441 A95-88595
Fibrinolytic activity during water immersion and its change with exercise in the water p 442 A95-88597
Modification of radioresponses of the developing mouse brain by pre- and postirradiation exposure to 2.45 GHz microwaves p 419 A95-88598
Possible effects of microgravity and/or cosmic radiation on gene expression of stress proteins p 442 A95-88599
Circadian rhythms in the sensitivity to radiation and different drugs in mouse intestinal epithelium p 419 A95-88600
Specific effect of magnesium ion on 2', 3'-cyclic AMP synthesis from adenosine and trimeta phosphate in aqueous solution p 420 A95-88729
Formations of amino acid precursors in cometary ice environments by cosmic radiation p 473 A95-89208
The effects of motion cues in regulating unstable aircraft systems p 454 A95-91578
H(sub infinity) pilot model based on the Neal-Smith criteria p 454 A95-91579
Identification of pilot dynamics including feedback structures p 454 A95-91580
In-flight simulation of approach flights by using a flight reference display for STOL aircraft p 454 A95-91581
Cardiovascular deconditioning occurs during a 7-day saturation dive at 31 ATA [HTN-95-12208] p 448 A95-91908
CELSS: Possible contributions to earth science program and others p 514 A95-93775
Recycling of trace elements required for humans in CELSS p 488 A95-93781
Measurement of rice crop metabolism using closed-type plant cultivation equipment p 479 A95-93789
Plant growth and gas balance in a plant and mushroom cultivation system p 480 A95-93795
Validity of the concept of absorbed dose as a physical quantity [HTN-95-B0593] p 488 A95-93843
Tele-existence and/or cybernetic interface studies in Japan p 97 N95-14025
Cardiovascular response to cold pressor and LBNP tests before and after 20-day-bedrest p 86 N95-15097
Effects of 20 days bed-rest on cardio-respiratory functions during sub-maximal exercise in young women p 87 N95-15111
Postural control of fish related to gravity input p 44 N95-15118
Functional participation of the valvula cerebelli on the goldfish dorsal light response p 44 N95-15119
Water intake and urinary volume during 20 days bed-rest in young women p 90 N95-15134
Influence to organs by ten weeks tail suspension p 45 N95-15142
Relationship between hind-limb muscle atrophy and serum enzymes in tail suspended rats p 45 N95-15143
20 days bed-rest on insulin action in relation to body fat in young subjects p 90 N95-15145
A virtual work space for both hands manipulation with coherency between kinesthetic and visual sensation p 176 N95-15984
Development of Advanced Robotic Hand System for space application p 314 N95-23704
A three-finger multisensory hand for dexterous space robotic tasks p 314 N95-23705
Development of Japanese experiment module remote manipulator system p 315 N95-23708
Robot arm system for automatic satellite capture and berthing p 315 N95-23709
Automation and crew time saving in the space experiment p 315 N95-23715
Annual report of National Institute of Radiological Sciences [DE94-792664] p 347 N95-25902
Proceedings of the 33d SICE (the Society of Instrument and Control Engineers) Annual Conference, part 1 [DE95-758847] p 430 N95-28947
Dynamical analysis of the coriolis effect which causes space disorientation [NAL-TR-1258] p 493 N95-31714

K

KAZAKHSTAN
An information 'worm hole' between 20 amino acids and 64 triplets is dug through the decimal and quarternary systems p 117 A95-63812
The formation of 'minimal protocell': Thermodynamical and mechanical aspects p 125 A95-63851
KOREA, REPUBLIC OF
Hemodynamic responses to passive body tilts p 86 N95-15096
The development of human behaviour analysis techniques and the development of human factors technologies [DE95-613356] p 524 N95-31267

L

LITHUANIA
In vitro plant cell growth in microgravity and on clinostat [ISBN 0-08-042485-6] p 3 A95-60641
Basic assumptions and comparison of three gravitropic response models [ISBN 0-08-042485-6] p 5 A95-60650
Structure of cress root statocytes in microgravity (Bion-10 mission) p 409 A95-87497
Action of gravireceptors: Lability hypothesis and model p 410 A95-87498
LUXEMBOURG
The successful management of programs for human factors certification of advanced aviation technologies p 543 N95-34780

M

MEXICO
Organic synthesis induced by ionizing radiation and cavitation from CN-containing compounds p 110 A95-63776
Radiation effects in adsorbed nucleic acid bases and their derivatives from K-40 in clays: A prebiotic overview p 111 A95-63783
Site of adsorption of nucleic bases and their derivatives on clay surfaces p 112 A95-63789
A simple laboratory demonstration of prebiotic synthesis. Synthesis of hydrogen cyanide in a simulated atmosphere p 113 A95-63790
A novel computational method to simulate non-enzymatic self-replication p 114 A95-63800
Transfer RNAs with complementary anticodons could show the most parsimonious way towards genetic code origin p 120 A95-63827
Correlations between structural and chemical properties of amino acids and their place in the genetic code table p 120 A95-63828
The early evolution of metabolic pathways p 132 A95-63880
How complex was the last common ancestor? p 137 A95-63908
On the monophyletic origin of eubacterial, archaebacterial and eukaryotic polynucleotide phosphorylase p 137 A95-63911
On the levels of enzymatic substrate specificity: Implications for the early evolution of metabolic pathways p 193 A95-66798
Role of trace metal ions in chemical evolution. The case of free-radical reactions p 194 A95-66799
Adsorption of small biological molecules on silica from diluted aqueous solutions: Quantitative characterization and implications to the Bernal's hypothesis [HTN-95-01237] p 427 A95-91469

N

NETHERLANDS
Xenopus laevis embryos can establish their spatial bilateral symmetrical body pattern without gravity [ISBN 0-08-042485-6] p 8 A95-60662
Development of tissue culture techniques and hardware to study mineralization under microgravity conditions [ISBN 0-08-042485-6] p 8 A95-60665
Adaptation and overtraining in horses subjected to increasing training loads [HTN-95-70076] p 76 A95-62518
Delivery of interstellar prebiotic organics to the earth by comets p 106 A95-63748
Prebiotic synthesis of pentaerythritol from formaldehyde investigation of the mechanism p 110 A95-63778
A new perspective for prebiotic formation of achiral, nucleic acid-like molecules p 113 A95-63795
Oligomerization of a nucleotide analog related to barbituric acid p 115 A95-63804
A model for biogenesis based on thermosynthesis p 125 A95-63850
Bio-regenerative life support systems for human planetary missions p 145 A95-63898
Life sciences and space research 24 (4): Planetary biology and origins of life; Topical Meeting of the COSPAR Interdisciplinary Scientific Commission F (Meeting F3) of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992 [ISBN 0-08-042540-2] p 214 A95-66751
Planetary environment protection id no: F3.3 - M.1.05 implications for the development of a network of surface stations on Mars p 217 A95-66787
Effect of glucose infusion on endurance performance after beta-adrenoceptor blocker administration [HTN-95-A0119] p 200 A95-68902
Supernormal muscle fiber conduction velocity during intermittent isometric exercise in human muscle [HTN-95-A0133] p 203 A95-68916
Energy balance at high altitude of 6,542 m [HTN-95-A0140] p 205 A95-68923
Index finger position and force of the human first dorsal interosseus and its ulnar nerve antagonist [HTN-95-A0152] p 207 A95-68935
(31)P-MRS and simultaneous quantification of dynamic human quadriceps exercise in a whole body MR scanner [HTN-95-A0154] p 208 A95-68937
Decreasing stimulation frequency-dependent length-force characteristics of rat muscle [HTN-95-50848] p 233 A95-73038
Longitudinal development of young talented speed skaters: Physiological and anthropometric aspects [HTN-95-50860] p 236 A95-73050
Relationships between energy expenditure and positive and negative mechanical work in repetitive lifting and lowering [HTN-95-A0623] p 278 A95-74324
Effect of arterial blood pressure and ventilation gases on cardiac depression induced by coronary air embolism [HTN-95-A0665] p 288 A95-74366
A simple handheld push-button device for in situ calibration of pneumotachographs [HTN-95-A0682] p 292 A95-74383
Continuous negative airway pressure increases tonic activity in diaphragm and intercostal muscles in humans [HTN-95-A0701] p 296 A95-75270
Modeling the effect of wavelength on the pulsed dye laser treatment of port wine stains [BTN-94-EIX94421282938] p 348 A95-78952
Optical properties of human dermis in vitro and in vivo [BTN-94-EIX94421282944] p 320 A95-78955
Continuous pneumothorax monitoring by remittance measurement [BTN-94-EIX94421282946] p 348 A95-78957
Heat-induced structural alterations in myocardium in relation to changing optical properties [BTN-94-EIX94421282947] p 348 A95-78958
Beta-adrenoceptor blockade and skeletal muscle energy metabolism during endurance exercise [HTN-95-21582] p 373 A95-83377
Effects of aging, skill modification, and demand alternation on multiple-task performance [HTN-95-B0110] p 378 A95-85926
Cell fusion in space: Plasma membrane fusion in human fibroblasts during short term microgravity p 432 A95-87488
Transient effects of microgravity on early embryos of Xenopus laevis p 413 A95-87517
Prebiotic chemistry in space; Proceedings of Symposia B1.4 and F3.3 of the COSPAR Scientific Assembly, 30th, Hamburg, Germany, July 11-21, 1994 [ISBN 0-08-042622-0] p 472 A95-89205
Origin of organic matter in the protosolar nebula and in comets p 472 A95-89206
Biological life support for manned missions by ESA p 513 A95-93768

'Symbiose' system for microgravity bioregenerative support of experiments p 513 A95-93770
Spirulina acceptability trials in rats. A study for the 'Melissa' life-support system p 514 A95-93779
On-board crew-rest facilities p 522 A95-95134
Actigraphy and logbooks during long haul flights: A feasibility study p 489 A95-95135
Design issues of human operator support systems [PB94-191376] p 36 N95-11778
Copper metabolism in rats fed ascorbic acid or restricted amounts of copper [PB94-191343] p 28 N95-11902
Modelling of biopotential recordings and its implications for instrumentation design [PB94-206844] p 30 N95-13408
Analysis of electron microscope images: 3-D localization of immuno-markers [PB94-197977] p 41 N95-13990
Body position and volume status as determinants of cardiovascular responses to transition into microgravity in parabolic flight p 87 N95-15108
Target acquisition: Human observer performance studies and TARGAC model validation [AD-A284436] p 95 N95-15816
Subset-selectivity and distractor matching in visual conjunction search [AD-A285137] p 170 N95-16615
Perceptual selectivity for color and form: On the nature of the interference effect [AD-A285338] p 172 N95-16817
Energy expenditure, physical work load and postural control during walking on a moving platform [AD-A285343] p 178 N95-16821
Parallel search for a conjunction of shape and contrast polarity [AD-A285344] p 172 N95-16822
A framework for the analysis of cognitive tasks [AD-A285345] p 172 N95-16835
Efficiency in work behaviour: A design approach for modern tools [PB94-197761] p 179 N95-16953
Towards a human operator model of the navigator [PB94-197985] p 179 N95-17468
Vestibular examination in pilots susceptible to motion sickness p 164 N95-19427
High performance computing for medical image interpretation [AD-A285457] p 210 N95-19537
Learning effects on strategy selection in a dynamic task environment as a function of time pressure [AD-A285458] p 212 N95-19538
Multiple-task performance: A critical review of the literature and a cognitive neuroscience framework [AD-A285133] p 212 N95-19583
Process strategies in the enzymatic resolution of enantiomers [PB95-107850] p 245 N95-20208
A comparison of decision making behaviour in a static and a dynamic task environment as a function of time pressure [AD-A285389] p 262 N95-20609
Radiofrequency hyperthermia systems: Experimental and clinical assessment of the feasibility of radiofrequency hyperthermia systems for loco-regional deep heating [PB94-206885] p 254 N95-21016
Integration of segmentation and stereo matching [PB95-107819] p 255 N95-21028
Human force exertion in user-product interaction. Backgrounds for design [PB95-132858] p 265 N95-21283
Netherlands Institute for Brain Research progress report, 1993 [PB95-135398] p 255 N95-21352
Intramyocardial blood volume and oxygen exchange [PB95-108015] p 256 N95-21580
Effects of increased UV-B radiation on phytoplankton: A preliminary study and research programme [PB95-133732] p 248 N95-21884
Optical radiation: Health based exposure limits for electromagnetic radiation in the wavelength range from 100 nanometer to 1 millimeter [PB95-132767] p 257 N95-22083
POINTER: Portable Intelligent Trainer for External Robotics p 315 N95-23714
On producing sequential movements and actions. An integrative review and an update of the generalized motor program [AD-A288628] p 357 N95-25610

NEW ZEALAND

Expertise in aeronautical decision making: A cognitive skill analysis p 496 A95-95073
Finding the right stuff: Personality studies of airline pilots p 499 A95-95107
New diagnostic tools for measuring learning behavior in pilot trainees p 503 A95-95146
The individual integral space habitation: Preliminary sketch design of an individual tensile space habitation, situated within a large-scale centralised tensile lattice structured pneumatic enclosure, in microgravitational space p 23 N95-11601

NORWAY

Peripheral vasoconstriction shortly after onset of moderate exercise in humans [HTN-95-A0728] p 303 A95-75297
K(+) balance of the quadriceps muscle during dynamic exercise with and without beta-adrenoceptor blockade [HTN-95-91891] p 338 A95-81993
Time-dependent glycemic response to exercise in winter and spring in the subarctic [HTN-95-21577] p 369 A95-83362
Interpersonal relations during simulated space missions [HTN-95-12201] p 455 A95-91901
Does DMT (Defense Mechanism Test) predict pilot performance only in Scandinavia? p 498 A95-95098
Guidelines for reduction of human errors during maintenance of safety systems; maintainability and maintenance support [PB94-215597] p 181 N95-19412
Is the pilot fit for flying after an accident? p 164 N95-19425
Think health not disease p 164 N95-19429
Planning, design and construction of the cavern arena: Heating, ventilation and air conditioning [PB95-196382] p 403 N95-28659
Effect of hypoxia on arterial blood gases in subjects with lung dysfunction p 452 N95-29627
Decompression illness, observable bubbles. (Session K) [PB95-195285] p 491 N95-30511
Effects of air bubbles on rabbit blood brain barrier [PB95-195293] p 487 N95-30512
Detecting intravascular gas bubbles in ultrasonic images [PB95-195301] p 491 N95-30513
Arterial gas bubbles after decompression in pigs with Patent Foramen Ovale [PB95-195319] p 487 N95-30515
Specific method for task-based interaction design [PB95-196440] p 524 N95-30522
Effect of oxygen and decompression bubbles on inert gas washout [PB95-196556] p 487 N95-30665

P

POLAND

Anxiety and eye-hands-legs coordination in young pilots p 502 A95-95133
The use of acoustic emission in orthopedics p 16 N95-10243
A numerical analysis of the distribution of stresses in lung parenchyma which accounts for the interactions between the tissue skeleton and flowing air p 31 N95-11806

PORTUGAL

The EEG in the evaluation of applicants to aircrew members p 165 N95-19432

R

RUSSIA

Superresistance against hypoxia after preliminary adaptation to repeated stress [HTN-95-70071] p 75 A95-62513
The origin of the genetic code: An approach on the base of the progene hypothesis p 120 A95-63826
Revival of the concept of cold prehistory of life p 128 A95-63865
On the possible paths of optical (photochemical) activation of living matter p 130 A95-63872
The role of polyphosphates at different stages of life evolution on Earth p 135 A95-63895
Possible presence of unsaturated hydrocarbon gases in comet nuclei and their role in the origin of life p 186 A95-63923
Terraforming of Mars through terrestrial microorganisms and nanotechnological devices [HTN-95-60320] p 186 A95-65619
The evolutionary soliton-like impulse paradigm of matter: Perspectives of unity in the nanotechnology/nanobiology dichotomy [HTN-95-60321] p 187 A95-65620
Radiation and thermal stabilities of adenine nucleotides p 191 A95-66767
Biogeochemical evidence of microbial activity on Mars p 192 A95-66780
A physical and chemical characterization of Martian permafrost as a possible habitat for viable microorganisms p 216 A95-66782
Preservation of cell structures in permafrost: A model for exobiology p 192 A95-66783
Modern aspects of planetary protection and requirements to sterilization of space hardware p 216 A95-66785
The experimental study of microbial contamination of the space hardware p 217 A95-66788
The use of cosmic rays for continuous monitoring and prediction of some dangerous phenomena for the earth's civilization [HTN-95-60524] p 195 A95-68775
Density and morphology of impact craters on tessera terrain, Venus [HTN-95-20760] p 268 A95-71120
On concerned origin of transfer RNAs with complementary anticodons [HTN-95-A0486] p 232 A95-72557
Dynamical thermovision for a study of blood flow regulation and pathologies [BTN-94-EIX94401361400] p 310 A95-75510
Stability of microorganisms isolated from the stratosphere and the mesosphere to the action of low and ultralow temperatures [HTN-95-41639] p 319 A95-78734
An evolutionary game with biased dice [HTN-95-41641] p 319 A95-78736
Detection of microbial life on Mars with the aid of apparatus operating on a charge-coupled device matrix [HTN-95-41642] p 357 A95-78737
Again on isolated cells and spores of microorganisms 'exploding' on the Earth orbit [HTN-95-41644] p 358 A95-78739
Radiation environment during the long space mission (Mars) due to galactic cosmic rays p 349 A95-81432
Setup for studying kinetics of fluorescence anisotropy decay in biological objects [BTN-95-EIX95242679361] p 361 A95-82075
Obtaining medical and biological images by FTIR multiaspect projection refractometry [HTN-95-61162] p 398 A95-86261
Principles of constructing an expert system for medical thermal vision [HTN-95-61164] p 399 A95-86263
New gas-discharge sources and dosimeters for bactericidal radiation [HTN-95-61165] p 378 A95-86264
Fiber-optic luminescence probes for biomedical studies [HTN-95-61166] p 399 A95-86265
Digital glucosimeter-polarimeter for measuring the optical activity of solutions [HTN-95-61167] p 399 A95-86266
Methods and apparatus for in vitro optical action on blood [HTN-95-61168] p 399 A95-86267
Lasers in the three-micrometer range for medical applications [HTN-95-61169] p 399 A95-86268
Compact holographic apparatus for stomatology [HTN-95-61170] p 399 A95-86269
The role of signal systems in cell gravisensitivity p 411 A95-87502
Physico-chemical characteristics of biomembranes and cell gravisensitivity p 412 A95-87508
State of erythrocyte membrane in man and monkeys after space flight p 432 A95-87511
Regeneration of organs and tissues in lower vertebrates during and after space flight p 414 A95-87520
Blood and clonogenic hemopoietic cells of newts after the space flight p 416 A95-87529
Metabolic changes in weightlessness and mechanisms of their hormonal regulation p 436 A95-88560
Cardiovascular system and its regulation in space flights p 439 A95-88577
Food strategy in biotechnical life-support systems [SAE PAPER 932168] p 465 A95-90403
Functions effectiveness model for design of integrated regenerative life support system [SAE PAPER 932066] p 467 A95-91644
Hydrodynamic and heat-and-mass transfer processes in space station water recovery systems [SAE PAPER 932075] p 468 A95-91653
A physico/chemical system for hygiene waste water recovery [SAE PAPER 932076] p 468 A95-91654
A physical/chemical system for water and atmosphere recovery aboard a space station [SAE PAPER 932077] p 468 A95-91655
Strontium-90 concentrations in human teeth in South Ukraine, 5 years after the Chernobyl accident [GTN-95-00489697-4145] p 429 A95-92251
Tissue optics, light distribution, and spectroscopy [BTN-95-EIX95292661188] p 475 A95-92524

'From seed-to-seed' experiment with wheat plants under space-flight conditions p 475 A95-93761
Peculiarities of moisture transfer in capillary-porous soil substitutes during space flight p 476 A95-93764
Indications and counterindications for applying different versions of closed ecosystems for space and terrestrial problems of life support p 514 A95-93776
Psychophysiological parameters of operators with different levels of anxiety during activity under motive competition
[HTN-95-93114] p 511 A95-95615
Sample preparation method in spectroscopic investigations of laser radiation action on blood and marrow
[BTN-94-EIX94441385675] p 531 A95-96594
Laser fluorescence spectroscopy of human skin in vivo: the effect of erythema
[BTN-94-EIX94441385677] p 531 A95-96595
JPRS report: Science and technology. Central Eurasia: Life sciences
[JPRS-ULS-93-012] p 31 N95-11744
A novel approach to the problem of highly-sensitive regular analysis for man-made plutonium in environment and human body
[DE95-620764] p 531 N95-32666
Development and application of the methods for pilot-aircraft system research to the manual control tasks of modern vehicles p 537 N95-33139
Selection and special physiological training of flying personnel to high +G(z)-maneuverable flights-main concept p 533 N95-34053
Increase of High-sustained +G(z) tolerance at the expense of pilot's working posture change p 532 N95-34056

S

SLOVENIA
Simple model for human arm reachable workspace
[BTN-94-EIX94522407598] p 535 A95-96246
SOUTH AFRICA
Enhanced adipose tissue lipoprotein lipase activity in detrained rates: independent of changes in food intake
[HTN-95-70455] p 219 A95-71477
Standardization of the graphical and operator input device modules for tactical command and control man-machine interfaces
[BTN-95-EIX95122539416] p 313 A95-73427
SPAIN
Arthropod model systems for studying complex biological processes in the space environment
[ISBN 0-08-042485-6] p 6 A95-60658
Human lung impedance from spontaneous breathing frequencies to 32 Hz
[HTN-95-10117] p 62 A95-61968
Enzymes, Turing machines, metabolic pathways or how to cook a nutritious 'soup' inside a cell p 118 A95-63820
Evolution of catalytic networks formed by self-replicative species p 119 A95-63824
Phylogenetic evidence supports the concept that viroid and viroidlike satellite RNAs are relics of the RNA world p 120 A95-63830
Emergence of biological functionality as consequence of cooperative and collective phenomena in proteins p 125 A95-63852
Taxonomy and philogeny: Palaeomycology p 130 A95-63873
Uranium deposits and the origin of life p 131 A95-63874
Silica biomorphs: An alternative explanation of some putative Precambrian microfossils p 131 A95-63875
The use of functional inhibitors in the study of ribosomal evolution p 137 A95-63909
Isopranylglycerol diethers in non-alkaline recent and miocene evaporitic environments p 138 A95-63913
Evolution of the genetic code p 139 A95-63921
Inorganic self-organisation in Precambrian charts
[HTN-95-10291] p 140 A95-64053
Effect of sampling site on femoral venous blood gas values
[HTN-95-A0678] p 291 A95-74379
T model partition of lung and respiratory system impedances
[HTN-95-00427] p 326 A95-81944
Structure of the Latissimus dorsi muscle and respiratory function
[HTN-95-00447] p 331 A95-81964
Performance of EVA suit mobility joints influence of driving parameters
[SAE PAPER 932096] p 460 A95-90342
Fit to fly: Analysis of the aeromedical disposition in aircrewmembers of the Spanish Armed Forces p 162 N95-19418
Evaluation of the EKG's isoelectric T wave in Air Force pilots p 163 N95-19423
Spine injuries: Up to date evaluation in aircraft ejections p 165 N95-19434
Clinical basis for aeromedical decisions in aircrew HIV positive p 167 N95-19440
SWEDEN
Relative narcotic potency and mode of action of sulfur hexafluoride and nitrogen in humans
[HTN-95-10053] p 46 A95-61904
Very large range of baroreflex sympathetic control of vascular resistance in human skeletal muscle and skin
[HTN-95-10069] p 50 A95-61920
Neuropeptide Y release from human heart is enhanced during prolonged exercise in hypoxia
[HTN-95-10109] p 60 A95-61960
Effect of beta-receptor blockade on splanchnic and muscle metabolism during prolonged exercise in men
[HTN-95-10125] p 64 A95-61976
Tidal volume and alveolar clearance of insoluble particles
[HTN-95-60057] p 74 A95-62165
Changes in magnetic resonance images of muscle depend on exercise intensity and duration, not work
[HTN-95-70080] p 77 A95-62522
Estimation of extravascular lung water in humans with use of 2H20: Effect of blood flow and central blood volume
[HTN-95-70102] p 82 A95-62544
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems p 119 A95-63825
Phosphate compounds in precellular and early cellular energy conversion p 123 A95-63844
The role of accuracy for early cooperative stages of the origin of life p 133 A95-63863
Tissue oxygen and carbon dioxide stores and breath-hold diving in humans
[HTN-95-A0108] p 197 A95-68891
Failure of hemoconcentration during standing to reveal plasma volume decline induced in the erect posture
[HTN-95-50886] p 241 A95-73076
Dynamic properties of body plethysmographs and effects on physiological parameters
[HTN-95-A0598] p 272 A95-74299
Biexponential pulmonary clearance of (99 m)-Tc-DTPA induced by detergent aerosol
[HTN-95-A0603] p 273 A95-74304
Medical transillumination imaging using short-pulse diode lasers
[BTN-94-EIX94421282962] p 349 A95-78962
Complement activation in divers after repeated air/heliox dives and its possible relevance to DCS
[HTN-95-00448] p 331 A95-81965
Intrapulmonary distribution of alveolar gas exchange during breath-hold diving in humans
[HTN-95-91878] p 334 A95-81980
Acceptability of intermittent handgrip contractions based on physiological response
[HTN-95-B0115] p 378 A95-85931
The role of accuracy for early stages of the origin of life p 422 A95-88742
Hypercycles versus parasites in the origin of life: Model dependence in spatial hypercycle systems p 422 A95-88743
C8 solid-phase extraction of the pyrethroid insecticide fenvalerate and the chloroacetanilide herbicide metazachlor from pond water
[GTN-95-00489697-4198] p 430 A95-92259
Simple data loss model for positron camera systems
[BTN-95-EIX95332424664] p 484 A95-94885
Tank crew performance related to cognitive ability and motivation of the tank crew members
[PB94-190642] p 34 N95-11872
Visit to UDRI and USAF, Armstrong Lab., Williams AFB, Phoenix, USA, February 8-11, 1993
[PB94-190659] p 36 N95-11873
Manipulating the arterial pressure to prevent G-LOC p 88 N95-15123
Mental effects of caffeine in fatigued men and women
[PB94-190683] p 157 N95-17300
Navigation system in combat vehicle
[PB95-131629] p 265 N95-21467
Prediction of humans in various environments using gas sensors and neural networks
[PB95-141560] p 351 N95-24227
Visual performance with Omnibus 3: A comparative evaluation of enhanced generation three image intensifier technology
[PB95-141891] p 355 N95-24510
Motionsickness-seasickness: Summary of existing knowledge and suggested lines of development
[PB95-141495] p 353 N95-24863
Colour vision deficiencies: Matching and confusion of computer colours
[PB95-141925] p 355 N95-24864
Measurement of blood nitrogen content after rapid compressions to assess the speed of nitrogen uptake during the compression phase of submarine escape. (Includes measurement of nitrogen concentration in blood following rapid compression to 5 bar)
[PB95-165726] p 354 N95-25570
Radiation in everyday life
[DE95-604111] p 379 N95-26597
Mathematical methods applied to biotechnical processes
[PB95-212114] p 530 N95-33232
Clearing-house mechanism to promote and facilitate technical and scientific cooperation under the UN Convention on Biological Diversity
[PB95-214557] p 530 N95-33236
Stimulus-response compatibility
[PB95-214722] p 537 N95-33237
Presentation of a Swedish study program concerning recruitment, selection and training of student air traffic controllers: The MRU project phase 1 p 535 N95-34775
SWITZERLAND
Fatigue and exhaustion in chronic hypobaric hypoxia: influence of exercising muscle mass
[HTN-95-60030] p 67 A95-62138
Chemistry of potentially prebiological natural products p 106 A95-63746
Chemical autopoiesis: Self-replicating micelles and vesicles p 124 A95-63846
Chemistry of potentially prebiological natural products
[HTN-95-10288] p 140 A95-64050
Bioenergetic approach to transfer function of human skeletal muscle
[HTN-95-A0654] p 285 A95-74355
Effect of RBC shape and deformability on pulmonary O2 diffusing capacity and resistance to flow in rabbit lungs
[HTN-95-00408] p 322 A95-81925
Fractal analysis of surfactant deposition in rabbit lungs
[HTN-95-00418] p 324 A95-81935
Effect of space flight on the immune system in man p 437 A95-88565
Lymphocyte experiment on SLS-1 p 442 A95-88596
Mineral induced formation of sugar phosphates
[HTN-95-01234] p 427 A95-91466

T

TAIWAN, PROVINCE OF CHINA
Adhesion status of platelets under flow conditions by digital image processing
[HTN-95-60940] p 320 A95-79767
Protective effect of mepacrine on hypoxia-reoxygenation-induced acute lung injury in rats
[HTN-95-21581] p 370 A95-83366

U

UKRAINE
Effects of altered gravity on plant cell processes: Results of recent space and clinostatic experiments
[ISBN 0-08-042485-6] p 3 A95-60640
Clinostation influence on regeneration of cell wall in Solanum tuberosum L. protoplasts
[ISBN 0-08-042485-6] p 4 A95-60642
Lipid peroxidation of plants under microgravity and its simulation
[ISBN 0-08-042485-6] p 4 A95-60643
Overloads influence on cosmonaut's reaction rate p 384 A95-82615
Possible mechanisms of plant cell wall changes at microgravity p 408 A95-87490
Peculiarities of ultrastructure of Chlorella cells growing aboard the Bion-10 during 12 days p 410 A95-87499
Energetic metabolism response in algae and higher plant species from simulation experiments with the clinostat p 410 A95-87500
Effect of simulated microgravitation on phytohormones and cell structure of tropical orchids p 410 A95-87501
The theoretical consideration of microgravity effects on a cell p 412 A95-87509
Free and membrane-bound calcium in microgravity and microgravity effects at the membrane level p 412 A95-87510
UNITED KINGDOM
Life sciences and space research 25 (1). Gravitational biology; Interdisciplinary Scientific Commission F of the COSPAR Plenary Meeting, 29th, Washington, DC, Aug. 28-Sep. 5, 1992
[ISBN 0-08-042485-6] p 1 A95-60632
Oscillations of axial plant organs
[ISBN 0-08-042485-6] p 5 A95-60651

Experiments on embryos in Space: An overview
[ISBN 0-08-042485-6] p 6 A95-60654
Evaportion-induced changes in airway surface liquid on an isolated guinea pig trachea
[HTN-95-10115] p 62 A95-61966
Release of creatine kinase and prostaglandin E(sub 2) from regenerating skeletal muscle fibers
[HTN-95-10123] p 64 A95-61974
Relationships between regional ventilation and vascular and extravascular volume in supine humans
[HTN-95-10130] p 65 A95-61981
Interrelationships between regional blood flow, blood volume, and ventilation in supine humans
[HTN-95-10131] p 66 A95-61982
Cardiovascular and respiratory effects of adenosine in humans after pulmonary denervation
[HTN-95-60049] p 71 A95-62157
Intestinal carbohydrate absorption and permeability at high altitude (5,730 m)
[HTN-95-70086] p 78 A95-62528
A model for the prebiotic synthesis of proteins
p 118 A95-63819
Electroweak enantioselection and the origin of life
p 130 A95-63870
Directed evolution of novel biosynthetic pathways to proline p 132 A95-63881
Raindrops on Titan p 218 A95-66795
Effect of hyperoxia at 1 and 2 ATA on hypoxia and hypercapnia in human skin during experimental inflammation
[HTN-95-A0130] p 202 A95-68913
A review of muscle atrophy in microgravity and during prolonged bed rest
[HTN-95-90825] p 250 A95-71340
The effects of prolonged weightlessness and reduced gravity environments on human survival
[HTN-95-90827] p 250 A95-71342
Dose dependency of perceived breathlessness on hypoventilation during exercise in normal subjects
[HTN-95-70469] p 222 A95-71491
The need to scale for differences in body size and mass: An explanation of Kleiber's 0.75 mass exponent
[HTN-95-70499] p 230 A95-71521
Role of Ca(2+) in protecting the heart from hyperkalemia and acidosis in the rabit: Implications for exercise
[HTN-95-50881] p 240 A95-73071
Osmolality alters tracheal blood flow and tracer uptake in anesthetized sheep
[HTN-95-50897] p 244 A95-73087
Rheological response of neutrophils to different types of stimulation
[HTN-95-A0657] p 286 A95-74358
Effects of length and stimulation frequency on fatigue of the human tibialis anterior muscle
[HTN-95-A0693] p 294 A95-75262
Interactive effects of K(+), acidosis, and catecholamines on isolated rabbit heart; implications for exercise
[HTN-95-A0695] p 295 A95-75264
Permeability of ferret trachea in vitro to (99m)-Tc-DTPA and (C-14)antipyrine
[HTN-95-A0702] p 296 A95-75271
Effect of long-term electrical stimulation on vascular supply and fatigue in chronically ischemic muscles
[HTN-95-A0707] p 298 A95-75276
Dynamics of a terraformed Martian biosphere
[HTN-95-60880] p 358 A95-78860
Time, ice and terraforming
[HTN-95-60881] p 358 A95-78861
How to spin a planet
[HTN-95-60882] p 358 A95-78862
How to move a planet
[HTN-95-60883] p 358 A95-78863
Role of neutral endopeptidase in bronchial hyperresponsiveness to bradykinen induced by IL-1Beta
[HTN-95-00425] p 326 A95-81942
Ozone-induced airway hyperresponsiveness: Role of superoxide anions, NEP, and BK receptors
[HTN-95-00435] p 328 A95-81952
Chamber for controlling end-tidal gas tensions over sustained periods in humans
[HTN-95-00442] p 330 A95-81959
Ventilatory response to 8 h of isocapnic and poikilopcapnic hypoxia in humans
[HTN-95-00443] p 330 A95-81960
Alterations in respiratory control during 8 h of isocapnic and poikilocapnic hypoxia in humans
[HTN-95-00444] p 330 A95-81961
Production of PGE2 by bovine cultured airway smooth muscle cells: Regulation by cAMP
[HTN-95-91904] p 340 A95-82006
Exhaled nitric oxide in isolated pig lungs
[HTN-95-21561] p 365 A95-83346
Effects of low blood alcohol levels on pilots' prioritization of tasks during a radio navigation task
[HTN-95-92292] p 384 A95-85336
An introduction to gravity perception in plants and fungi – a multiplicity of mechanisms p 409 A95-87493
Graviresponses in fungi p 409 A95-87494
Morphometric analysis of cell size patterning involved in gravitropic curvature of the stipe of Coprinus cinereus p 409 A95-87495
The role of calcium accumulation and the cytoskeleton in the perception and response of Coprinus cinereus to gravity p 409 A95-87496
Effect of clinostat rotation on differentiation of embryonic bone in vitro p 413 A95-87513
How nature builds the pigments of life: the conquest of vitamin B-12
[BTN-94-EIX94431375202] p 436 A95-88153
Electroweak enantioselection and the origin of life p 422 A95-88739
Biochemistry of the actinides
[GTN-95-09258388-4023] p 424 A95-89501
Revealing the blueprint of photosynthesis
[BTN-95-EIX95302430624] p 424 A95-91326
Comparison of airline passenger oxygen systems
[HTN-95-01217] p 444 A95-91449
Cellular manufacturing - design and implementation
[CONGRESS PAPER C428-14-202] p 469 A95-91708
Blending people and technology
[CONGRESS PAPER C428-14-203] p 469 A95-91709
Effects of lags on human operator transfer functions with head-coupled systems
[HTN-95-92912] p 469 A95-91850
Effect of sickness severity on habituation to repeated motion challenges in aircrew referred for airsickness treatment
[HTN-95-12202] p 446 A95-91902
Psychological first-aid: A practical aide-memoire
[HTN-95-12210] p 455 A95-91910
HOTT - a CRM course designed for the helicopter pilot p 499 A95-95108
The development of subjective measure of work underload p 506 A95-95170
The development of a 'quality' measure of pilot performance p 509 A95-95189
Color and physiological arousal p 21 N95-11621
Scene analysis: A brief survey
[PB94-205085] p 36 N95-13433
Human factors requirements for telerobotic command and control: The European Space Agency experimental programme p 102 N95-14059
VERDEX: A virtual environment demonstrator for remote driving applications p 102 N95-14060
Cardiovascular and metabolic responses to 6 deg Head-Down Tilt (HDT) and 70 deg Head-Up Tilt (HUT) following exercise p 87 N95-15109
Non-invasive physiological monitoring relevant to G-induced loss of consciousness p 89 N95-15125
Individual variability in the transmission of vertical vibration from seat to head
[ISVR-TR-236] p 104 N95-15850
Clinical basis for aeromedical decision-making: The EEG example p 165 N95-19433
Photobiology in medicine
[AD-A284843] p 210 N95-19695
Effect of lags on human performance with head-coupled simulators
[AD-A279577] p 266 N95-21700
Negative to positive Gz acceleration transition p 532 N95-34052
Positive pressure breathing for G protection (PBG) p 538 N95-34055
Analysis of safety requirements in the context of system faults and human errors
[PB95-236105] p 540 N95-34658
Does human cognition allow Human Factors (HF) certification of advanced aircrew systems? p 542 N95-34776
Practical guidelines for workload assessment p 542 N95-34777

UNKNOWN

Nanobiological principles and the origin of life p 119 A95-63821
On the experimental investigation of the origin of biopolymer chirality
[HTN-95-41640] p 319 A95-78735
The sense of taste
[HTN-95-92318] p 376 A95-85362
Evolution of the early vertebrates
[HTN-95-92319] p 376 A95-85363
Development of a fabric for the external protection of a space suit
[SAE PAPER 932101] p 461 A95-90345
MELISSA: Current status and future development program
[SAE PAPER 932126] p 463 A95-90367
Preliminary study on microalgae culturing reactor for carbon dioxide elimination and oxygen recovery system
[SAE PAPER 932127] p 463 A95-90368
Advanced life support system analysis: Methodological framework and application studies
[SAE PAPER 932129] p 463 A95-90370
Simulation of the N2/O2 pressure control function of life support systems with respect to gas losses due to structural leak and crew metabolism
[SAE PAPER 932135] p 443 A95-90376
Evaluation of a two-membrane filter for gas-water separation in microgravity
[SAE PAPER 932163] p 464 A95-90398
Modeling, simulation, and analysis of the thermal and pressure control system for a closed crop growth chamber
[SAE PAPER 932167] p 465 A95-90402
Concept of clam culturing module for food suppling system in CELSS
[SAE PAPER 932169] p 465 A95-90404
Status of the Columbus Attached Pressurized Module ESC design
[SAE PAPER 932050] p 466 A95-91631
Expert system based tool for advanced life support system optimization- a mission analysis perspective
[SAE PAPER 932060] p 466 A95-91639
Nutritional behavior of people during a two month duration isolation and confinement simulation
[SAE PAPER 932067] p 467 A95-91645
HOMEOSTAT-A bioengineering system
[SAE PAPER 932068] p 455 A95-91646
Water supply assembly for Hermes ECLSS
[SAE PAPER 932071] p 467 A95-91649
Water conditioning assembly for Hermes ECLSS
[SAE PAPER 932072] p 467 A95-91650
Ownership and accountability - they're not just buzzwords
[CONGRESS PAPER C428-14-201] p 469 A95-91707
Aircrew acceptance of automation in the cockpit
[CONGRESS PAPER C428-30-179] p 512 A95-93614
The behavioral impact of TCAS II on the national air traffic control system p 521 A95-95092
The co-pilot: Pilot's 'mate' or pilot-in-the-making? a study of ambiguity and conflict in the cockpit p 499 A95-95109
Seven aeronautical pyramides p 503 A95-95147

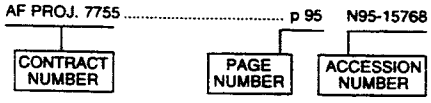
USSR

Architectural concept of Antarctic station of a new generation p 24 N95-11604
Neurohumoral reactions to long-term vestibular stimulation in man p 85 N95-15091
Psychophysiological aspects of increasing resistance to space motion sickness p 86 N95-15093
Changing gravity level and the development of animals p 43 N95-15101

UZBEKISTAN

Human hair radioactivity in the Chernobyl area
[GTN-95-09258388-4039] p 424 A95-89463

Typical Contract Number Index Listing



Listings in this index are arranged alphanumerically by contract number. Under each contract number the accession numbers denoting documents that have been produced as a result of research done under the contract are shown. The accession number denotes the number by which the citation is identified in the abstract section. Preceding the accession number is the page number on which the citation may be found.

AARPAF-OCG0937B ..... p 283 A95-74344
AB0211 ..... p 390 A95-86646
AF PROJ. B74A ..... p 264 N95-20625
AF PROJ. ILIR ..... p 355 N95-26041
p 511 N95-30905
AF PROJ. 2312 ..... p 85 N95-14408
p 42 N95-15094
p 86 N95-15095
AF PROJ. 2313 ..... p 261 N95-19970
p 261 N95-20314
AF PROJ. 4506 ..... p 33 N95-12919
AF PROJ. 6670 ..... p 392 N95-26892
AF PROJ. 6893 ..... p 261 N95-20062
AF PROJ. 7184 ..... p 176 N95-16553
p 172 N95-18084
p 266 N95-21700
p 525 N95-31538
AF PROJ. 7719 ..... p 173 N95-17175
AF PROJ. 7755 ..... p 95 N95-15768
p 451 N95-29161
p 511 N95-30905
p 493 N95-31552
AF PROJ. 7930 ..... p 160 N95-18661
p 256 N95-21941
p 493 N95-31373
AF-AFOSR-0010-89 ..... p 264 N95-20562
AF-AFOSR-0095-90 ..... p 261 N95-20314
AF-AFOSR-0124-91 ..... p 35 N95-13375
AF-AFOSR-0146-91 ..... p 263 N95-22472
AF-AFOSR-0154-91 ..... p 35 N95-12495
AF-AFOSR-0196-91 ..... p 253 N95-20811
p 449 N95-29022
AF-AFOSR-0199-91 ..... p 149 N95-16515
AF-AFOSR-0206-91 ..... p 449 N95-28866
AF-AFOSR-0208-91 ..... p 157 N95-16871
p 253 N95-20848
AF-AFOSR-0215-90 ..... p 267 N95-22275
AF-AFOSR-0289-91 ..... p 453 N95-29933
AF-AFOSR-0332-91 ..... p 456 N95-29422
AF-AFOSR-0333-91 ..... p 379 N95-26360
AF-AFOSR-0356-91 ..... p 252 N95-20485
AF-AFOSR-0378-91 ..... p 262 N95-21101
AF-AFOSR-0394-91 ..... p 431 N95-29320
AF-AFOSR-10407-93 ..... p 93 N95-14369
AFOSR-90-0200 ..... p 19 A95-60127
AFOSR-91-0057 ..... p 18 A95-60116
AFOSR-87-0238 ..... p 18 A95-60122
AK93-07-F ..... p 69 A95-62146
ARO-MIPR-122-93 ..... p 531 N95-33200
CA42587 ..... p 3 A95-60639
CEC-PSS-0396 ..... p 231 A95-72556
CICYT-DE90-0136 ..... p 291 A95-74379
CNES-0314 ..... p 11 A95-60677
CNES-0416 ..... p 11 A95-60677
CNES-1291 ..... p 11 A95-60677
CNES-268 ..... p 15 A95-60681
CNES-297 ..... p 15 A95-60681
CNES-90/0295 ..... p 45 N95-15132
CNES-90/0313 ..... p 45 N95-15132
DA PROJ. MM3-3-P-30 ..... p 385 N95-26885
DA PROJ. M00-96 ..... p 158 N95-18136
p 175 N95-18414
DA PROJ. 1C4-63627-DE-79 ..... p 29 N95-12614
DA PROJ. 1L1-62716-AH-70 ..... p 104 N95-15759
p 402 N95-27099
DA PROJ. 1O1-62622-A-553-C ..... p 245 N95-20252
DA PROJ. 101-62622-A-553 ..... p 33 N95-12593
DA PROJ. 201-61102-B-74-F ..... p 512 N95-31585
DA PROJ. 3M1-62787-A-878 ..... p 83 N95-13971
DA PROJ. 3M1-62787-A-879 ..... p 92 N95-15767
p 170 N95-16520
DA PROJ. 301-62787-A-878 ..... p 33 N95-13054
p 39 N95-13055
p 92 N95-15810
p 146 N95-16132
p 267 N95-22045
p 403 N95-28667
p 450 N95-29141
p 456 N95-29434
p 539 N95-34378
p 539 N95-34489
DA PROJ. 301-6287-A-878 ..... p 539 N95-34492
DA PROJ. 775-5 ..... p 448 N95-28793
DA PROJ. 793-0 ..... p 470 N95-28792
DAAA15-90-C-0012 ..... p 180 N95-18531
DAAE07-90-C-R059 ..... p 392 N95-27013
DAAH04-93-G-0007 ..... p 30 N95-13373
DAAH04-94-G-0015 ..... p 383 N95-28546
DAAJ02-92-C-0043 ..... p 265 N95-20973
DAAL03-89-D-0003 ..... p 379 N95-26573
DAAL03-90-G-0189 ..... p 148 N95-16423
DAAL03-91-C-0034 ..... p 245 N95-20252
DAAL03-91-G-0034 ..... p 142 N95-16164
DAAL03-91-G-0050 ..... p 180 N95-18086
DAAL03-91-G-0062 ..... p 431 N95-29155
DAAL03-91-G-0272 ..... p 512 N95-31685
DAAL03-91-G-0329 ..... p 453 N95-29927
DAAL03-91-G-0337 ..... p 450 N95-29153
DAAL03-92-G-0002 ..... p 000 N95-28525
DACA76-89-C-0014 ..... p 392 N95-27013
DACA76-92-C-0009 ..... p 391 N95-26843
DAJA45-91-C-0013 ..... p 95 N95-15816
DAMD-17-91-C-1112 ..... p 221 A95-71486
DAMD17-88-C-8141 ..... p 83 N95-13971
DAMD17-89-Z-9039 ..... p 2 A95-60633
p 198 A95-68896
p 327 A95-81947
p 379 N95-26435
DAMD17-90-Z-0020 ..... p 91 N95-15445
DAMD17-91-C-1112 ..... p 55 A95-61939
DAMD17-91-C-112 ..... p 66 A95-62137
DAMD17-91-Z-1009 ..... p 148 N95-16444
DAMD17-91-Z-1031 ..... p 493 N95-31570
DAMD17-92-C-2033 ..... p 450 N95-29139
DAMD17-92-C-2062 ..... p 352 N95-24423
DAMD17-92-C-2082 ..... p 381 N95-27097
DAMD17-92-J-2025 ..... p 351 N95-24309
DAMD17-93-C-3005 ..... p 158 N95-17998
DAMD17-93-C-3116 ..... p 385 N95-26680
DAMD17-93-C-3159 ..... p 533 N95-34754
DAMD17-93-J-3027 ..... p 252 N95-20549
DAMD17-93-J-3031 ..... p 492 N95-30924
DAMD17-93-V-3018 ..... p 457 N95-29458
DAMD17-94-J-4017 ..... p 431 N95-29086
DAMD17-94-V-4004 ..... p 348 N95-26193
DARA-10-QV-9050 ..... p 86 N95-15092
DARA-50-WB-9113 ..... p 90 N95-15137
DASW01-94-C-0054 ..... p 400 N95-26552
DE-AC02-76CH-00016 ..... p 347 N95-25383
DE-AC02-76EV-00119 ..... p 353 N95-24556
DE-AC03-76SF-00098 ..... p 243 A95-73082
p 321 A95-81446
p 306 N95-22590
DE-AC03-76SF-00515 ..... p 307 N95-22897
DE-AC04-76EV-01013 ..... p 257 N95-22285
p 258 N95-22287
DE-AC04-76EV-10103 ..... p 451 N95-29188
DE-AC04-94AL-85000 ..... p 266 N95-21721
p 267 N95-22466
DE-AC05-84OR-21400 ..... p 160 N95-19244
p 248 N95-21548
p 248 N95-21606
p 305 N95-22588
p 307 N95-22890
p 346 N95-24843
p 387 N95-28136
DE-AC06-76RL-01830 ..... p 29 N95-12677
p 143 N95-18371
p 311 N95-24145
p 347 N95-26169
DE-AC06-76TL-01830 ..... p 232 A95-72558
DE-AC21-92MC-29113 ..... p 104 N95-15309
DE-AC36-83CH-10093 ..... p 246 N95-20471
p 345 N95-24306
p 345 N95-24307
DE-FG02-87ER-60600 ..... p 311 N95-22875
DE-FG02-88ER-13941 ..... p 306 N95-22874
DE-FG02-88ER-13968 ..... p 307 N95-22884
DE-FG02-88ER-60639 ..... p 256 N95-21595
DE-FG02-90ER-20019 ..... p 346 N95-24850
DE-FG02-90ER-60931 ..... p 248 N95-21606
DE-FG02-90ER-60969 ..... p 27 N95-11737
DE-FG02-91ER-20033 ..... p 30 N95-13271
DE-FG02-91ER-20042 ..... p 306 N95-22873
DE-FG02-92ER-61370 ..... p 249 N95-22397
DE-FG02-92ER-75787 ..... p 357 N95-25483
DE-FG02-93ER-20112 ..... p 248 N95-22086
DE-FG03-91ER-61152 ..... p 249 N95-22067
DE-FG03-93ER-61638 ..... p 306 N95-22866
DE-FG05-88ER-60672 ..... p 431 N95-29471
DE-FG06-89ER-75522 ..... p 232 A95-72558
DE-FG09-84ER-13188 ..... p 247 N95-21526
DE-FG09-85ER-13425 ..... p 249 N95-22220
p 345 N95-24225
DE-FG09-85ER-13426 ..... p 310 N95-24075
p 345 N95-24368
DE-FG09-86ER-13614 ..... p 246 N95-20917
DE-FG09-90ER-20012 ..... p 383 N95-28496
DE-FG22-93PC-93212 ..... p 306 N95-22872
DFG-BE-1608/1-1 ..... p 343 A95-82016
DFG-II-B-7-SCHE-46/7-1 ..... p 205 A95-68924
DFG-SFB-320 ..... p 272 A95-74301
DFG-WE-243/29-4 ..... p 284 A95-74347
DMRC-12-0006 ..... p 58 A95-61951
DNA001-90-C-0111 ..... p 256 N95-21629
DRET-87-056 ..... p 446 A95-91899
DRET-89-237 ..... p 270 A95-74292
p 446 A95-91899
DRET-90-1053J ..... p 199 A95-68901
p 87 N95-15110
DRET-91-1215-A ..... p 531 N95-32611
DRET-92/1219A ..... p 243 A95-73081
DTFA01-90-C-00045 ..... p 504 A95-95152
p 505 A95-95155
DTFA01-91-C-00038 ..... p 501 A95-95128
p 502 A95-95130
DTFA01-91-C-00042 ..... p 507 A95-95173
DTFA01-91-C-0045 ..... p 521 A95-95094
DTFA01-94-C-01013 ..... p 402 N95-27696
DTFA02-90-C-90125 ..... p 35 N95-13019
p 35 N95-13020
p 35 N95-13199
p 92 N95-13715
p 161 N95-19364
p 161 N95-19365
p 257 N95-22027
p 257 N95-22040
DTFA02-91-C-91056 ..... p 21 N95-11683
p 173 N95-17530
DTFA02-91-C-91089 ..... p 313 N95-24088
DTRS-57-88C-00078 ..... p 516 A95-95039
DTRS57-88-C-00078 ..... p 260 A95-72575
EEC-SC1-CT-91-0618 ..... p 191 A95-68765
EPA-X-812059 ..... p 196 A95-68895
ESA-AO-SRLS/89/6-NL ..... p 432 A95-87488
ESA-7581/88/F/HEW(SC) ..... p 467 A95-91645
ESA-8687/89/SC/BZ(SC) ..... p 467 A95-91645

FAA TASK AM-A-91-HRR-138 p 35 N95-13020
p 92 N95-13715
FAA TASK AM-A-91-PHY-144 p 353 N95-25336
FAA TASK AM-A-94-HRR-138 p 35 N95-13019
FAA-92-G-017 p 259 A95-72262
FFWF PROJECT P-8526-MOB p 231 A95-72556
FFWF PROJECT S-5305-PHY p 231 A95-72556
F33615-84-C-0507 p 524 N95-30907
F33615-85-D-4510 p 256 N95-21941
F33615-88-C-5404 p 470 N95-29020
F33615-89-C-0574 p 452 N95-29360
F33615-89-C-0603 p 13 N95-10920
p 388 N95-28561
F33615-89-D-0604 p 210 N95-19714
F33615-90-C-0005 p 104 N95-15755
p 178 N95-16875
p 313 N95-22513
p 472 N95-29943
F33615-90-C-0532 p 387 N95-28318
F33615-90-C-0604 p 428 A95-91852
F33615-90-D-0606 p 160 N95-18661
p 251 N95-20301
F33615-92-C-0017 p 530 N95-34789
F33615-92-C-5936 p 265 N95-21566
F41622-92-D-0006 p 512 N95-31583
F41624-93-C-6009 p 22 N95-10728
p 22 N95-11357
F41624-93-C-6011 p 252 N95-20457
F49620-88-C-0053 p 389 A95-85884
F49620-91-C-0050 p 159 N95-18518
F49620-92-J-0016 p 261 N95-19998
p 455 N95-28937
F49620-92-J-0084 p 85 N95-14408
p 532 N95-34472
F49620-92-J-0119 p 212 N95-19602
F49620-92-J-0156 p 511 N95-31436
F49620-92-J-0169 p 168 N95-16010
F49620-92-J-0176 p 389 A95-85882
F49620-92-J-0187 p 169 N95-16368
F49620-92-J-0188 p 157 N95-16851
F49620-92-J-0195 p 258 N95-22475
F49620-92-J-0205 p 157 N95-16847
F49620-92-J-0234 p 251 N95-19898
F49620-92-J-0243 p 93 N95-14600
F49620-92-J-0293 p 147 N95-16378
F49620-92-J-0307 p 168 N95-16138
F49620-92-J-0334 p 262 N95-20845
F49620-92-J-0347 p 158 N95-17342
p 385 N95-26779
F49620-92-J-0359 p 264 N95-22473
F49620-92-J-0362 p 210 N95-19698
F49620-92-J-0437 p 212 N95-19740
F49620-92-J-0473 p 169 N95-16244
F49620-92-J-0506 p 159 N95-18626
F49620-92-J-0511 p 497 A95-95080
F49620-92-J-0517 p 148 N95-16481
F49620-93-1-0089 p 148 N95-16484
F49620-93-1-0099 p 169 N95-16377
F49620-93-1-0132 p 168 N95-15959
F49620-93-1-0136 p 160 N95-18656
F49620-93-1-0185 p 142 N95-16599
F49620-93-1-0188 p 156 N95-16796
F49620-93-1-0206 p 20 N95-10536
F49620-93-1-0244 p 449 N95-28915
F49620-93-1-0261 p 174 N95-18403
F49620-93-1-0273 p 174 N95-18401
F49620-93-1-0274 p 146 N95-16135
F49620-93-1-0283 p 311 N95-23780
F49620-93-1-0290 p 32 N95-12535
F49620-93-1-0298 p 16 N95-10533
F49620-93-1-0302 p 143 N95-18439
F49620-93-1-0327 p 95 N95-15770
F49620-93-1-0336 p 261 N95-20007
F49620-93-1-0337 p 159 N95-18515
F49620-93-1-0402 p 158 N95-18400
F49620-93-1-0413 p 487 N95-31144
F49620-93-1-0434 p 159 N95-18512
F49620-93-1-0560 p 262 N95-21192
GM-07806-1 p 331 A95-81963
G008300071 p 48 A95-61914
HEI-RFPA-87-4 p 142 N95-16801
HIH-RR-00425 p 290 A95-74378
ICRD-8005-5-90 p 8 A95-60663
JPL-95-6892 p 398 A95-85930
KO6-AG-00494 p 48 A95-61912
KS-94-GS-33 p 327 A95-81947
MDA-903-92-D-0025 p 494 A95-95047
MDA903-78-C-2042 p 455 N95-29090
MDA903-86-K-0297 p 512 N95-31686
MDA903-90-K-0066 p 512 N95-31585
MESC-04670451 p 49 A95-61916
MESC-04670476 p 56 A95-61942
MG-004 p 8 A95-60665
MIPR-Z51100-2-E00416 p 400 N95-26612
MIPR-90MM052D p 493 N95-31446
MIPR-92MM2539 p 157 N95-17174
MIPR-92MM2583 p 450 N95-29086
MIPR91-MM-1504 p 169 N95-16140
MOESC-B-61480200 p 286 A95-74360
MOESC-01602509 p 419 A95-88598
MOESC-01770130 p 417 A95-88580
MOESC-02202222 p 419 A95-88598
MOESC-02807079 p 298 A95-75277
MOESC-03454138 p 289 A95-74370
MOESC-03854066 p 403 A95-82617
MOESC-04237206 p 371 A95-83368
MOESC-05221209 p 371 A95-83368
MOESC-05454595 p 300 A95-75284
MOESC-05833007 p 473 A95-89208
MOESC-05833011 p 473 A95-89208
MOESC-06213209 p 371 A95-83368
MOHW-1993 p 369 A95-83364
MOSEC-01570042 p 417 A95-88580
MO1-RR-02719 p 48 A95-61912
MR00-97 p 470 N95-28935
MT-7124 p 367 A95-83354
NAF-88.26 p 296 A95-75270
NAGW-1031 p 135 A95-63896
p 135 A95-63897
p 427 A95-91466
NAGW-1196 p 3 A95-60638
p 242 A95-73077
NAGW-1197 p 2 A95-60633
p 6 A95-60653
p 7 A95-60659
p 15 A95-60678
p 12 A95-60687
p 198 A95-68896
p 250 A95-73284
p 327 A95-81947
p 423 A95-89093
p 476 A95-93766
p 141 N95-16034
NAGW-1275 p 86 N95-15105
NAGW-1519 p 10 A95-60672
NAGW-1546 p 232 A95-72558
NAGW-1548 p 7 A95-60661
NAGW-1660 p 230 A95-72547
p 231 A95-72551
NAGW-1784 p 7 A95-60660
p 9 A95-60669
NAGW-1896 p 193 A95-66797
NAGW-1899 p 183 A95-63755
p 190 A95-66762
NAGW-2085 p 268 A95-71121
NAGW-2097 p 420 A95-88730
NAGW-2195 p 11 A95-60682
p 45 N95-15133
NAGW-2198 p 231 A95-72555
NAGW-2328 p 2 A95-60633
p 6 A95-60653
p 7 A95-60659
p 15 A95-60678
p 12 A95-60687
p 198 A95-68896
p 327 A95-81947
NAGW-2763 p 189 A95-66754
NAGW-2765 p 190 A95-66763
NAGW-2781 p 231 A95-72550
NAGW-2788 p 193 A95-66798
NAGW-2805 p 114 A95-63800
NAGW-2818 p 421 A95-88736
p 421 A95-88737
NAGW-2833 p 421 A95-88735
NAGW-2881 p 135 A95-63896
p 135 A95-63897
p 427 A95-91466
NAGW-2940 p 480 A95-93794
NAGW-2991 p 189 A95-66754
NAGW-2997 p 268 A95-71121
NAGW-3435 p 53 A95-61933
NAGW-3645 p 310 N95-24047
NAGW-3672 p 306 N95-22801
NAGW-3782 p 352 N95-24410
p 393 N95-27697
NAGW-436 p 189 A95-66755
NAG1-1075 p 401 N95-26884
NAG1-1296 p 519 A95-95059
p 519 A95-95062
NAG1-1342 p 518 A95-95056
NAG1-1593 p 540 N95-34764
NAG1-99-08-12-06 p 319 A95-78302
NAG10-0024 p 480 A95-93794
NAG10-0110 p 142 N95-16429
NAG10-133 p 14 N95-11218
NAG2-306 p 259 A95-72260
p 509 A95-95195
NAG2-343 p 7 A95-60660
p 9 A95-60669
NAG2-375 p 522 A95-95176
NAG2-391 p 81 A95-62540
NAG2-408 p 310 A95-74354
NAG2-435 p 17 N95-11594
p 353 N95-24556
NAG2-467 p 11 A95-60682
NAG2-481 p 3 A95-60638
NAG2-555 p 54 A95-61935
p 295 A95-75266
p 374 A95-83384
NAG2-573 p 32 N95-12376
NAG2-574 p 245 A95-73285
NAG2-587 p 11 A95-60682
NAG2-590 p 270 A95-74290
NAG2-598 p 3 A95-60638
NAG2-614 p 44 N95-15113
NAG2-623 p 245 A95-73285
NAG2-624 p 15 A95-60681
p 29 N95-12941
p 44 N95-15113
NAG2-653 p 42 N95-14796
NAG2-671 p 48 A95-61910
NAG2-700 p 39 N95-13026
NAG2-703 p 32 N95-12376
NAG2-707 p 15 A95-60681
p 322 A95-81928
p 41 N95-13638
p 44 N95-15113
NAG2-716 p 521 A95-95093
NAG2-749 p 519 A95-95058
NAG2-782 p 75 A95-62515
NAG2-806 p 179 N95-16894
NAG2-819 p 13 N95-10337
p 246 N95-20559
NAG2-822 p 536 N95-32688
NAG2-87 p 29 N95-12827
NAG3-550 p 524 N95-31134
NAG5-1572 p 176 N95-16418
NAG8-071 p 347 N95-25934
NAG8-807 p 3 A95-60638
NAG8-953 p 345 N95-24475
NAG9-117 p 393 N95-27697
NAG9-181 p 44 N95-15113
NAG9-234 p 44 N95-15113
NAG9-246 p 307 N95-22911
NAG9-298 p 152 N95-16748
NAG9-514 p 224 A95-71497
p 374 A95-83383
NAG9-520 p 3 A95-60639
p 31 N95-11808
NAG9-567 p 17 N95-10937
NAG9-571 p 466 A95-91440
NAG9-588 p 17 N95-11250
p 34 N95-13270
NAG9-597 p 451 N95-29158
NAG9-620 p 23 N95-11386
NAG9-640 p 23 N95-11386
NAG9-696 p 314 N95-23474
NASA ORDER A-2401-D p 42 N95-15094
p 86 N95-15095
NASA ORDER H-22785-D p 41 N95-13702
NASA ORDER H-22787-D p 30 N95-13423
NASA ORDER H-24601-D p 382 N95-27329
NASA ORDER T-9309-R p 382 N95-28177
NASA ORDER T-9310-R p 321 A95-81446
NASW-1197 p 4 A95-60645
NASW-2328 p 4 A95-60645
NASW-4435 p 38 N95-12361
p 38 N95-12555
p 38 N95-12629
p 103 N95-14854
NAS1-18027 p 517 A95-95040
NAS1-18788 p 494 A95-95041
p 393 N95-28253
NAS1-19360 p 517 A95-95040
NAS10-10285 p 239 A95-73067
p 287 A95-74362
NAS10-11624 p 53 A95-61933
p 150 N95-16743
NAS10-11668 p 477 A95-93783
NAS2-10533 p 245 A95-73285
NAS2-13056 p 496 A95-95071
NAS2-13273 p 468 A95-91651
p 468 A95-91652
NAS2-13345 p 469 A95-91663
NAS2-13404 p 38 N95-12132
NAS2-13612 p 469 A95-91663
NAS2-212 p 281 A95-74336
NAS5-30689 p 356 A95-80399
NAS8-38609 p 402 N95-27164
NAS8-38902 p 469 A95-91662
NAS8-39361 p 469 A95-91662
NAS9-16037 p 59 A95-61953
p 310 A95-74377
p 351 A95-82003
NAS9-16038 p 310 A95-74354
NAS9-17267 p 151 N95-16745
NAS9-17276 p 488 A95-93778
NAS9-17389 p 347 N95-25934

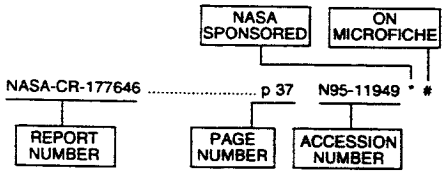
NAS9-17720 p 310 A95-74354
NAS9-17900 p 389 A95-85881
p 36 N95-11878
p 180 N95-18189
NAS9-18024 p 449 N95-28875
NAS9-18094 p 100 N95-14050
NAS9-18440 p 247 N95-21529
NAS9-18773 p 31 N95-11708
NAS9-18800 p 36 N95-11878
p 356 N95-24627
NAS9-611 p 239 A95-73067
p 287 A95-74362
NCA2-255 p 18 A95-60122
NCA2-468 p 18 A95-60116
p 18 A95-60122
NCA2-616 p 522 A95-95126
NCA2-701 p 398 A95-85929
p 520 A95-95064
NCC1-164 p 16 N95-10024
NCC1-176 p 93 N95-14864
NCC2-101 p 141 N95-15961
NCC2-115 p 83 N95-13661
NCC2-213 p 44 N95-15113
NCC2-286 p 259 A95-72262
p 500 A95-95120
p 501 A95-95121
p 501 A95-95122
p 501 A95-95123
p 522 A95-95124
NCC2-301 p 37 N95-11949
NCC2-327 p 517 A95-95048
p 500 A95-95113
NCC2-370 p 3 A95-60638
NCC2-486 p 506 A95-95168
NCC2-521 p 347 N95-25933
NCC2-534 p 141 A95-64055
NCC2-542 p 353 N95-24564
NCC2-592 p 211 A95-69742
NCC2-593 p 45 N95-15135
NCC2-615 p 398 A95-85929
p 520 A95-95064
NCC2-651 p 379 N95-26727
NCC2-812 p 394 N95-28676
NCC2-824 p 313 N95-22797
NGR-33-018-148 p 472 A95-89206
NGR3-018-148 p 115 A95-63802
p 116 A95-63808
p 121 A95-63834
p 138 A95-63915
NGT-44-005-803 p 533 N95-32422
NGT-44-055-803 p 535 N95-32428
NGT-50145 p 398 A95-85930
NGT-50559 p 511 N95-31383
NGT-50751 p 239 A95-73067
p 287 A95-74362
NGT-70100 p 190 A95-66762
NGT-70252 p 17 N95-11250
NHLBI-PO1-HL-31992 p 65 A95-61960
NHLBI-T32-HL-07538 p 65 A95-61960
NHLBI-42242 p 57 A95-61948
NIH-AA-07293 p 77 A95-62521
NIH-AA-6093 p 447 A95-81904
NIH-AG-00078 p 70 A95-62153
p 281 A95-74334
NIH-AG-00114 p 220 A95-71482
NIH-AG-00219 p 200 A95-68903
NIH-AG-00423 p 92 A95-62538
p 283 A95-74344
p 299 A95-75280
p 300 A95-75285
NIH-AG-00436 p 374 A95-83383
NIH-AG-00494 p 294 A95-75260
NIH-AG-00564 p 277 A95-74321
NIH-AG-04287 p 398 A95-85933
NIH-AG-04875 p 426 A95-91447
NIH-AG-05518 p 299 A95-75280
p 300 A95-75285
NIH-AG-0556 p 200 A95-68903
NIH-AG-05627 p 369 A95-83360
NIH-AG-06537 p 92 A95-62538
p 283 A95-74344
p 299 A95-75280
p 300 A95-75285
NIH-AG-06581 p 225 A95-71502
NIH-AG-07180 p 48 A95-61911
NIH-AG-07225 p 374 A95-83383
NIH-AG-07857 p 200 A95-68903
p 277 A95-74321
p 371 A95-83371
NIH-AG-08812 p 374 A95-83383
NIH-AG-09000 p 220 A95-71479
NIH-AG-0900 p 271 A95-74293
NIH-AG-09872 p 55 A95-61938
NIH-AG-10026 p 48 A95-61911
NIH-AG-10576 p 323 A95-81930
NIH-AG-10871 p 271 A95-74297
p 372 A95-83375
NIH-AG-11535 p 297 A95-75273
NIH-AG00294 p 374 A95-83383
NIH-AI-00995 p 227 A95-71511
NIH-AI-10404 p 227 A95-71511
NIH-AR-21617 p 290 A95-74373
p 368 A95-83357
NIH-AR-30346 p 199 A95-68900
p 295 A95-75266
NIH-AR-35651 p 426 A95-91446
p 426 A95-91447
NIH-AR-38346 p 353 N95-24556
NIH-AR-39378 p 221 A95-71485
p 274 A95-74308
NIH-AR-39496 p 283 A95-74343
NIH-AR-40050 p 289 A95-74371
NIH-AR-40155 p 69 A95-62147
NIH-AR-40342 p 69 A95-62147
NIH-AR-40343 p 275 A95-74313
NIH-DA-0630 6 p 374 A95-83383
NIH-DC-00284 p 398 A95-85933
NIH-DE-07687 p 220 A95-71482
p 365 A95-83343
NIH-DK-18535 p 277 A95-74321
NIH-DK-18986 p 70 A95-62153
p 281 A95-74334
NIH-DK-20579 p 281 A95-74334
NIH-DK-25731 p 71 A95-62156
NIH-DK-43577 p 67 A95-62139
NIH-DK-46017 p 333 A95-81971
NIH-DK-47766 p 333 A95-81970
NIH-ES-03819 p 329 A95-81955
NIH-ES-03819 p 329 A95-81957
NIH-ES-05255 p 302 A95-75295
NIH-ES-06075 p 198 A95-68895
p 227 A95-71508
NIH-F05-TW-04494-01 p 64 A95-61978
NIH-F32-GM-14025 p 277 A95-74318
NIH-F32-GM-14026 p 277 A95-74318
NIH-GCRC-00073 p 333 A95-81971
NIH-GM-07065 p 369 A95-83360
NIH-GM-07593 p 222 A95-71487
NIH-GM-08288 p 81 A95-62537
NIH-GM-08400 p 325 A95-81940
NIH-GM-21447 p 277 A95-74318
NIH-GM-30681 p 230 A95-72548
NIH-GM-32654 p 304 A95-75301
NIH-HD-11907 p 290 A95-74378
NIH-HD-11932 p 290 A95-74374
NIH-HD-12303-14 p 373 A95-83378
NIH-HD-18478 p 223 A95-71492
NIH-HD-20618 p 326 A95-81945
NIH-HD-21198-5 p 373 A95-83378
NIH-HD-22695 p 80 A95-62533
NIH-HD-26939 p 78 A95-62526
NIH-HD-29713 p 326 A95-81945
NIH-HL-01196 p 222 A95-71487
NIH-HL-01818 p 304 A95-75302
NIH-HL-01907 p 206 A95-68931
p 206 A95-68931
NIH-HL-01966 p 229 A95-71519
NIH-HL-02165 p 52 A95-61930
NIH-HL-02353 p 223 A95-71495
NIH-HL-02426 p 280 A95-74332
NIH-HL-02491 p 280 A95-74331
NIH-HL-02536 p 80 A95-62535
NIH-HL-02588 p 57 A95-61948
NIH-HL-02654 p 61 A95-61964
NIH-HL-02655 p 296 A95-75267
NIH-HL-02795 p 329 A95-81957
NIH-HL-02872 p 330 A95-81958
NIH-HL-07094 p 330 A95-81958
NIH-HL-07123 p 302 A95-75293
NIH-HL-07249 p 325 A95-81940
NIH-HL-07354 p 205 A95-68926
p 293 A95-75258
NIH-HL-07411 p 204 A95-68922
NIH-HL-07457 p 301 A95-75290
NIH-HL-0763307 p 227 A95-71510
NIH-HL-07633 p 281 A95-74335
NIH-HL-07682 p 283 A95-74345
NIH-HL-08834 p 92 A95-62538
p 283 A95-74344
NIH-HL-08861 p 287 A95-74362
NIH-HL-08870 p 283 A95-74344
NIH-HL-09086 p 330 A95-81958
NIH-HL-10342 p 57 A95-61945
NIH-HL-11907 p 78 A95-62526
p 284 A95-74349
NIH-HL-14127 p 278 A95-74325
NIH-HL-14388 p 274 A95-74309
NIH-HL-14985 p 55 A95-61939
p 221 A95-71486
NIH-HL-16022 p 324 A95-81934
NIH-HL-16910 p 196 A95-68886
p 269 A95-74287
p 282 A95-74341
NIH-HL-17421 p 285 A95-74356
NIH-HL-17731 p 63 A95-61971
p 69 A95-62147
p 291 A95-74379
p 298 A95-75278
p 329 A95-81954
NIH-HL-18292 p 285 A95-74356
NIH-HL-18606 p 301 A95-75291
NIH-HL-19153 p 204 A95-68922
p 302 A95-75293
NIH-HL-19298 p 51 A95-61924
p 200 A95-68904
NIH-HL-19343 p 292 A95-75254
NIH-HL-19627 p 278 A95-74325
NIH-HL-21159 p 278 A95-74325
NIH-HL-22296 p 310 A95-74354
NIH-HL-22418 p 80 A95-62533
NIH-HL-23584 p 324 A95-81935
NIH-HL-24075 p 198 A95-68897
NIH-HL-24349 p 277 A95-74319
p 294 A95-75263
p 302 A95-75294
p 328 A95-81951
NIH-HL-24571 p 323 A95-81932
NIH-HL-24962 p 274 A95-74309
NIH-HL-25739 p 279 A95-74326
p 371 A95-83369
p 371 A95-83370
NIH-HL-25816 p 273 A95-74303
NIH-HL-26807 p 277 A95-74318
NIH-HL-27520 p 223 A95-71495
NIH-HL-28066 p 368 A95-83358
NIH-HL-28542 p 289 A95-74370
NIH-HL-29068 p 278 A95-74325
NIH-HL-29396 p 222 A95-71487
NIH-HL-31070 p 229 A95-71518
p 294 A95-75263
NIH-HL-31248 p 197 A95-68883
p 279 A95-74327
NIH-HL-31430 p 303 A95-75298
NIH-HL-31992 p 296 A95-75267
NIH-HL-32188 p 296 A95-75267
NIH-HL-32646 p 58 A95-61949
NIH-HL-32824 p 270 A95-74291
NIH-HL-33003 p 227 A95-71509
NIH-HL-33009 p 227 A95-71509
p 299 A95-75281
NIH-HL-34817 p 206 A95-68931
p 280 A95-74331
p 294 A95-75261
NIH-HL-35440 p 58 A95-61949
NIH-HL-36024 p 201 A95-68909
p 297 A95-75274
NIH-HL-36033 p 58 A95-61952
p 282 A95-74339
NIH-HL-36115 p 367 A95-83355
NIH-HL-36126 p 48 A95-61913
NIH-HL-36224 p 274 A95-74309
NIH-HL-36531 p 330 A95-81958
NIH-HL-36597 p 364 A95-83342
NIH-HL-36829 p 205 A95-68926
NIH-HL-37387 p 290 A95-74373
NIH-HL-37680 p 206 A95-68931
p 280 A95-74331
p 294 A95-75261
NIH-HL-38291 p 280 A95-74332
NIH-HL-38310 p 284 A95-74350
NIH-HL-38894 p 277 A95-74318
NIH-HL-38959 p 325 A95-81938
p 365 A95-83344
NIH-HL-39150 p 293 A95-75257
NIH-HL-39406 p 329 A95-81955
NIH-HL-39443 p 298 A95-75278
NIH-HL-39712 p 220 A95-71481
NIH-HL-39966 p 283 A95-74344
p 299 A95-75280
p 300 A95-75285
NIH-HL-40361 p 280 A95-74332
NIH-HL-40369 p 292 A95-75253
p 296 A95-75268
NIH-HL-40554 p 244 A95-73088
NIH-HL-40666 p 198 A95-68897
NIH-HL-40891 p 273 A95-74303
NIH-HL-40894 p 278 A95-74323
NIH-HL-40910 p 283 A95-74345
NIH-HL-41033 p 330 A95-81958
NIH-HL-41126 p 304 A95-75302
NIH-HL-42172 p 374 A95-83383
NIH-HL-42368 p 333 A95-81970
NIH-HL-42470 p 201 A95-68910
NIH-HL-43413-05 p 323 A95-81931
NIH-HL-43860 p 56 A95-61944
NIH-HL-44098 p 227 A95-71511
NIH-HL-44195 p 301 A95-75290
NIH-HL-44667 p 61 A95-61964

	p 222	A95-71490
NIH-HL-44678	p 324	A95-81934
NIH-HL-44727	p 302	A95-75295
NIH-HL-45050	p 297	A95-75275
NIH-HL-45425	p 69	A95-62146
NIH-HL-45545	p 364	A95-83342
NIH-HL-45679	p 227	A95-71509
NIH-HL-45721	p 78	A95-62525
	p 276	A95-74317
NIH-HL-46149	p 222	A95-71489
NIH-HL-46230	p 66	A95-61983
NIH-HL-46481	p 55	A95-61939
	p 221	A95-71486
NIH-HL-46493	p 81	A95-62537
NIH-HL-46813	p 78	A95-62527
NIH-HL-46951	p 281	A95-74335
NIH-HL-47044	p 57	A95-61945
NIH-HL-47081	p 301	A95-75290
NIH-HL-47094	p 48	A95-61911
	p 366	A95-83348
NIH-HL-48160	p 279	A95-74329
NIH-HL-48550	p 332	A95-81966
	p 332	A95-81967
NIH-HL-48564	p 325	A95-81938
NIH-HL-48848	p 301	A95-75290
NIH-HL-50142	p 272	A95-74300
NIH-HL-50147	p 301	A95-75290
NIH-HL-50306	p 329	A95-81954
NIH-HL-50712	p 57	A95-61945
NIH-HL-51080-01	p 323	A95-81931
NIH-HL-763307	p 227	A95-71509
NIH-IT32-AG-00219	p 199	A95-68899
NIH-KO4-AG-00564	p 200	A95-68903
NIH-KO8-AG-00426	p 200	A95-68903
NIH-KO8-AG-00494	p 199	A95-68899
NIH-K04-AG-005641	p 371	A95-83371
NIH-K04-HL-01830	p 277	A95-74318
NIH-K08-AG-00494	p 283	A95-74342
NIH-K08-DK-01963-03	p 371	A95-83371
NIH-K08-HL-02369	p 73	A95-62162
NIH-K08-HL-02375	p 73	A95-62162
NIH-K08-HL-02593-01A2	p 293	A95-75258
NIH-MH-45731	p 296	A95-75269
NIH-MO1-RR-00040	p 226	A95-71504
NIH-MO1-RR-02719	p 199	A95-68899
NIH-MO1-RR0070	p 369	A95-83360
NIH-M01-RR-02719	p 283	A95-74342
	p 294	A95-75260
NIH-NO1-AG-9-2116	p 325	A95-81939
NIH-NR-06503	p 275	A95-74313
NIH-NS-07309	p 323	A95-81933
	p 325	A95-81940
NIH-NS-08634	p 323	A95-81933
NIH-NS-20544	p 271	A95-74293
	p 323	A95-81933
	p 325	A95-81940
NIH-N01-AG-4-2109	p 303	A95-75296
NIH-PO-1-HL-43023	p 272	A95-74300
NIH-PO1-AG-04402	p 199	A95-68899
NIH-PO1-HL-43023	p 78	A95-62527
NIH-P01-AG-04402-9	p 303	A95-75296
NIH-P01-AG-04402	p 283	A95-74342
	p 294	A95-75260
NIH-P01-40007	p 71	A95-62156
NIH-P30-ES06096	p 368	A95-83359
NIH-P50-HL-27353	p 73	A95-62162
NIH-R-29-HL-42883	p 196	A95-68887
	p 229	A95-71520
NIH-RO1 DC00100	p 19	A95-60127
NIH-RO1-AG-07660	p 199	A95-68899
NIH-RO1-AR-40342	p 369	A95-83363
NIH-RO1-ES06562	p 368	A95-83359
NIH-RO1-ES06677	p 368	A95-83359
NIH-RO1-HL-39138-04	p 322	A95-81925
NIH-RO1-HL-41387	p 205	A95-68927
NIH-RO1-45582	p 73	A95-62162
NIH-RR-00425	p 78	A95-62526
NIH-RR-00827	p 373	A95-83378
NIH-RR-01380	p 332	A95-81966
	p 332	A95-81967
NIH-RR-03126	p 203	A95-68918
NIH-RR-05675	p 325	A95-81940
NIH-RR-05970	p 416	A95-87528
NIH-RR-06558	p 204	A95-68922
	p 244	A95-73088
	p 302	A95-75293
NIH-RR-09032-1	p 44	N95-15115
NIH-RR-109	p 277	A95-74321
NIH-R01-AG-07660	p 303	A95-75296
NIH-R01-AR-40598	p 290	A95-74375
NIH-R01-HD-28413-01	p 289	A95-74369
NIH-R01-HL-40070	p 208	A95-68936
NIH-R01-HL-42172	p 224	A95-71497
NIH-R01-HL-45533-01	p 297	A95-75272
NIH-R01-OHAR-02918	p 270	A95-74290
NIH-R15-HL-46476	p 68	A95-62143
NIH-R29 AG-10025	p 322	A95-81927
NIH-R29-ES-O5211	p 332	A95-81969
NIH-R29-HL-38916	p 282	A95-74340
NIH-R29-HL-47483	p 58	A95-61950
	p 366	A95-83350
	p 366	A95-83351
NIH-R43-HL-48386	p 82	A95-62543
NIH-R55-HD-228720	p 277	A95-74321
NIH-S07-RR-05689-22	p 222	A95-71490
NIH-TL-07362	p 208	A95-68936
NIH-T32-AG-00219	p 283	A95-74342
NIH-T32-GM-07033	p 277	A95-74318
NIH-1-RO1-HD-22696-01A1	p 49	A95-61917
NIH-1R24RRO6853	p 94	N95-15642
NIH-2S07-RR-07034-25	p 364	A95-83341
NIH-5-T32-HD-07255-05	p 372	A95-83376
NIMHRSA-K05MH00707	p 18	A95-60116
NIOSH-9239540	p 16	N95-10221
NNSF-39170795	p 43	N95-15099
NOAA-NA-160S0009-01	p 517	A95-95043
NOAA-NA-36RG0507	p 448	A95-91908
NOAA-40-AANR50-3720	p 448	A95-91908
NR PROJ. MM3-3-P-30	p 251	N95-20307
	p 255	N95-21160
NR PROJ. MM3-3130	p 255	N95-21180
NR PROJ. M00-001	p 149	N95-16619
NR PROJ. M00-96	p 253	N95-20710
NR PROJ. 042-04	p 456	N95-29432
NSC-77-0404-E006-12	p 320	A95-79767
NSC-77-0412-B006-08	p 320	A95-79767
NSC-80-0412-B-016-05;029	p 370	A95-83366
NSF AST-91-15721	p 189	A95-66755
NSF ATM-90-20462	p 317	A95-76885
NSF BCS-91-67202	p 435	A95-87831
NSF BCS-92-16419	p 339	A95-81998
NSF BCS-93-09426	p 278	A95-74322
NSF BSR-90-20868	p 423	A95-88745
NSF CDA-88-22724	p 95	N95-15787
NSF CHE-85-06377	p 115	A95-63802
	p 116	A95-63808
	p 121	A95-63834
NSF CHE-90-00187	p 231	A95-72550
NSF CTS-90-13083	p 304	A95-75302
NSF EAR-89-16467	p 135	A95-63896
	p 135	A95-63897
	p 427	A95-91466
NSF EAR-89-16501	p 427	A95-91466
NSF IRI-89-03582	p 94	N95-15588
	p 94	N95-15642
NSF IRI-90-21270	p 397	A95-85927
NSF IRI-92-02816	p 95	N95-15787
NSF MCB-93-04625	p 248	N95-22066
NSF MDR-91-50211	p 175	N95-19068
NSF 91-96021	p 323	A95-81931
N00014-88-K-0077	p 534	N95-34609
N00014-89-J-1272	p 263	N95-22052
N00014-89-J-1975	p 170	N95-16518
N00014-89-J-3070	p 29	N95-12393
N00014-90-C-0034	p 434	A95-87827
N00014-90-J-1456	p 355	N95-26010
N00014-90-J-1786	p 175	N95-18530
N00014-90-J-1869	p 381	N95-27100
N00014-91-J-1217	p 246	N95-20806
N00014-91-J-1540	p 262	N95-20393
N00014-91-J-1784	p 146	N95-16112
N00014-91-J-1880	p 453	N95-29872
N00014-91-J-4038	p 457	N95-29443
N00014-91-J-4101	p 456	N95-29432
N00014-91-J-4159	p 455	N95-28918
N00014-92-J-1173	p 83	N95-14142
	p 176	N95-16119
	p 170	N95-16518
N00014-92-J-1244	p 253	N95-20850
N00014-92-J-1879	p 34	N95-11942
N00014-92-J-1900	p 246	N95-20711
N00014-92-J-4005	p 534	N95-34610
N00014-92-J-4096	p 457	N95-29439
N00014-93-I-0385	p 245	N95-20185
N00014-93-J-1034	p 254	N95-20851
N00014-93-MP-24023	p 379	N95-26608
N00014-93-1-0221	p 540	N95-34616
N00014-93-1-0257	p 174	N95-18094
	p 391	N95-26843
N00014-93-1-0332	p 179	N95-16966
N00014-93-1-0385	p 34	N95-11942
N00014-93-1-0602	p 430	N95-28685
N00014-93-1-0951	p 32	N95-12542
N00014-94-C-0179	p 401	N95-26755
N00014-95-1-0124	p 492	N95-30870
N62269-90-D-0110	p 266	N95-21691
PG-93003	p 365	A95-83346
PM-92-0056	p 62	A95-61968
PM92-0056	p 326	A95-81944
PO1-AG-04402	p 48	A95-61912
PROJ. E27-666	p 179	N95-16894
PROJ. MR0-4101	p 146	N95-16151
PROJ. M00-96	p 145	N95-16105
PROJ. M00-99	p 257	N95-22003
P60-DC-0207-02	p 393	N95-27697
RFA-90-1	p 30	N95-13176
RI-92264X	p 495	A95-95069
RO1-AG-07660	p 48	A95-61912
RO1-GM-37631-07	p 331	A95-81963
RR04204	p 355	N95-26010
RTOP 106-30-02	p 474	N95-28722
	p 474	N95-28818
RTOP 199-06-12	p 37	N95-11905
RTOP 199-08-12	p 187	N95-18569
RTOP 199-14-12-04	p 89	N95-15128
RTOP 199-16-11-08	p 151	N95-16745
RTOP 199-16-12	p 28	N95-12006
RTOP 199-18-12-07	p 289	A95-74370
	p 28	N95-11810
	p 144	N95-18734
	p 144	N95-19140
	p 248	N95-21544
RTOP 199-26-12-02	p 366	A95-83347
	p 13	N95-10828
RTOP 199-45-16-11	p 148	N95-16412
RTOP 199-70-12-14	p 83	N95-13661
RTOP 233-03-0A	p 309	N95-23177
RTOP 505-64-13-21	p 393	N95-28253
RTOP 505-64-53	p 16	N95-10861
	p 33	N95-12792
	p 91	N95-15649
RTOP 506-47-00	p 96	N95-14013
RTOP 545-20-01	p 13	N95-10863
SBIR-12.04-8450B	p 38	N95-12132
SRON-MG-029	p 432	A95-87488
UPN-199-06-12-25	p 398	A95-85928
UPN-199-16-12-08	p 398	A95-85928
USDA-92-01048	p 277	A95-74321
USDA-9301106	p 248	N95-22066
W-31-109-ENG-38	p 14	N95-11697
	p 245	N95-19969
	p 251	N95-20074
	p 247	N95-21376
	p 249	N95-22067
	p 249	N95-22075
	p 307	N95-22912
	p 308	N95-22913
	p 309	N95-23771
	p 352	N95-24427
	p 346	N95-25181
	p 382	N95-27948
	p 432	N95-30114
W-7405-ENG-36	p 247	N95-21366
	p 248	N95-22065
	p 249	N95-22296
	p 346	N95-24600
	p 386	N95-27426
W-7405-ENG-48	p 95	N95-13671
	p 265	N95-21358
	p 266	N95-21637
	p 311	N95-23142
	p 382	N95-27725
	p 393	N95-28176
	p 494	N95-32097
	p 487	N95-32358
	p 536	N95-32535
	p 530	N95-33654
W-7405-ENG-82	p 305	N95-22493
W7711-6-9019	p 390	A95-86645
W7711-7-7011	p 390	A95-86645
12-9360	p 365	A95-83345
2KT-0066	p 69	A95-62147

AEROSPACE MEDICINE AND BIOLOGY / *A Continuing Bibliography*
1995 Cumulative Index

December 1995

Typical Report Number Index Listing



Listings in this index are arranged alphanumerically by report number. The page number indicates the page on which the citation is located. The accession number denotes the number by which the citation is identified. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

A-91035 ..... p 96 N95-14013 * #
A-94031-VOL-1 ..... p 187 N95-18569 * #
A-94058 ..... p 28 N95-12006 * #
A-94059 ..... p 13 N95-10863 * #
A-94085 ..... p 28 N95-11810 * #
A-94094 ..... p 13 N95-10828 * #
A-94109 ..... p 13 N95-10826 * #
A-94113 ..... p 16 N95-10861 * #
A-94116 ..... p 83 N95-13661 * #
A-94129 ..... p 37 N95-11949 * #
A-94130 ..... p 38 N95-12132 * #
A-94131 ..... p 37 N95-11905 * #
A-94134 ..... p 33 N95-12792 * #
A-94137 ..... p 144 N95-19140 * #
A-94138 ..... p 248 N95-21544 * #
A-950015 ..... p 474 N95-28818 * #
A-950016 ..... p 474 N95-28722 * #
A-950067 ..... p 394 N95-28676 * #
A-95012 ..... p 91 N95-15649 * #
A-95026 ..... p 144 N95-18734 * #

AAS PAPER 91-313 ..... p 457 A95-87470
AAS PAPER 91-320 ..... p 458 A95-87471
AAS PAPER 91-321 ..... p 458 A95-87472

ACHRE-95003265 ..... p 352 N95-24497 #

AD-A279084 ..... p 256 N95-21629
AD-A279138 ..... p 263 N95-21968
AD-A279193 ..... p 211 N95-19811
AD-A279292 ..... p 351 N95-24309
AD-A279303 ..... p 352 N95-24423
AD-A279305 ..... p 256 N95-21941
AD-A279317 ..... p 85 N95-14394 #
AD-A279339 ..... p 263 N95-21927
AD-A279544 ..... p 266 N95-21691 #
AD-A279577 ..... p 266 N95-21700
AD-A279599 ..... p 251 N95-20301
AD-A279607 ..... p 260 N95-19957 #
AD-A279640 ..... p 252 N95-20457
AD-A279667 ..... p 252 N95-20602
AD-A279696 ..... p 253 N95-20710
AD-A279699 ..... p 246 N95-20711
AD-A279767 ..... p 254 N95-20977
AD-A279774 ..... p 246 N95-20806 #
AD-A279775 ..... p 256 N95-21989 #
AD-A279789 ..... p 251 N95-20307 #
AD-A279790 ..... p 255 N95-21180
AD-A279876 ..... p 245 N95-20185 #
AD-A279898 ..... p 264 N95-20562
AD-A280011 ..... p 261 N95-19970 #
AD-A280015 ..... p 261 N95-20314
AD-A280032 ..... p 261 N95-20007 #
AD-A280061 ..... p 260 N95-19887
AD-A280113 ..... p 264 N95-20625
AD-A280115 ..... p 309 N95-23251
AD-A280132 ..... p 264 N95-20041
AD-A280178 ..... p 211 N95-19827
AD-A280435 ..... p 83 N95-13971
AD-A280556 ..... p 29 N95-12614
AD-A280755 ..... p 145 N95-16105 #
AD-A280762 ..... p 176 N95-16119 #
AD-A280858 ..... p 22 N95-10918
AD-A280861 ..... p 13 N95-10920
AD-A280897 ..... p 146 N95-16151 #
AD-A280900 ..... p 146 N95-16152 #
AD-A280924 ..... p 83 N95-14142 #
AD-A280928 ..... p 16 N95-10533 #
AD-A280937 ..... p 20 N95-10536 #
AD-A280956 ..... p 93 N95-14600 #
AD-A280977 ..... p 148 N95-16481 #
AD-A280981 ..... p 148 N95-16484 #
AD-A280982 ..... p 149 N95-16515 #
AD-A281023 ..... p 148 N95-16444 #
AD-A281124 ..... p 157 N95-16809 #
AD-A281204 ..... p 156 N95-16796 #
AD-A281250 ..... p 22 N95-10728
AD-A281282 ..... p 30 N95-13373 #
AD-A281284 ..... p 35 N95-13375 #
AD-A281336 ..... p 168 N95-16010 #
AD-A281413 ..... p 142 N95-16164 #
AD-A281439 ..... p 33 N95-13177
AD-A281448 ..... p 168 N95-15959
AD-A281613 ..... p 146 N95-16112 #
AD-A281635 ..... p 91 N95-15445
AD-A281680 ..... p 104 N95-15449
AD-A281693 ..... p 20 N95-11421 #
AD-A281744 ..... p 20 N95-11570 #
AD-A281791 ..... p 22 N95-11326
AD-A281830 ..... p 147 N95-16360 #
AD-A281846 ..... p 148 N95-16423 #
AD-A281854 ..... p 147 N95-16297 #
AD-A281855 ..... p 169 N95-16298 #
AD-A281859 ..... p 169 N95-16299 #
AD-A281866 ..... p 169 N95-16301 #
AD-A281869 ..... p 170 N95-16433 #
AD-A281932 ..... p 22 N95-11357
AD-A282005 ..... p 173 N95-17447
AD-A282024 ..... p 83 N95-14145 #
AD-A282122 ..... p 17 N95-11337 #
AD-A282125 ..... p 17 N95-11338 #
AD-A282136 ..... p 20 N95-11340 #
AD-A282221 ..... p 32 N95-12405 #
AD-A282222 ..... p 32 N95-12406 #
AD-A282367 ..... p 34 N95-11942
AD-A282420 ..... p 29 N95-12393 #
AD-A282450 ..... p 169 N95-16377
AD-A282452 ..... p 147 N95-16378
AD-A282547 ..... p 35 N95-12495 #
AD-A282599 ..... p 32 N95-12535
AD-A282643 ..... p 32 N95-12542
AD-A282697 ..... p 179 N95-16866 #
AD-A282886 ..... p 33 N95-12919
AD-A283064 ..... p 33 N95-13054
AD-A283065 ..... p 39 N95-13055
AD-A283180 ..... p 158 N95-17342 #
AD-A283190 ..... p 143 N95-17714 #
AD-A283352 ..... p 158 N95-17998 #
AD-A283430 ..... p 33 N95-12593
AD-A283547 ..... p 94 N95-15326 #
AD-A283651 ..... p 158 N95-18136
AD-A283686 ..... p 159 N95-18618 #
AD-A283720 ..... p 175 N95-18414
AD-A283903 ..... p 174 N95-18151 #
AD-A283956 ..... p 93 N95-14369 #
AD-A284023 ..... p 160 N95-18656
AD-A284038 ..... p 85 N95-14424 #
AD-A284055 ..... p 160 N95-18661
AD-A284071 ..... p 175 N95-19068
AD-A284100 ..... p 158 N95-18400
AD-A284101 ..... p 174 N95-18401
AD-A284103 ..... p 174 N95-18403
AD-A284111 ..... p 143 N95-18439
AD-A284167 ..... p 159 N95-18512
AD-A284173 ..... p 159 N95-18515
AD-A284174 ..... p 159 N95-18518
AD-A284189 ..... p 159 N95-18626
AD-A284219 ..... p 85 N95-14406 #
AD-A284234 ..... p 210 N95-19698 #
AD-A284300 ..... p 179 N95-17484 #
AD-A284305 ..... p 245 N95-20252
AD-A284337 ..... p 180 N95-18385
AD-A284358 ..... p 175 N95-18440
AD-A284395 ..... p 92 N95-15810
AD-A284396 ..... p 92 N95-15767
AD-A284397 ..... p 95 N95-15768
AD-A284399 ..... p 95 N95-15770
AD-A284436 ..... p 95 N95-15816
AD-A284472 ..... p 146 N95-16135 #
AD-A284563 ..... p 179 N95-18029 #
AD-A284683 ..... p 175 N95-18530 #
AD-A284684 ..... p 180 N95-18531 #
AD-A284725 ..... p 180 N95-18077
AD-A284750 ..... p 176 N95-16553
AD-A284752 ..... p 173 N95-18084
AD-A284762 ..... p 180 N95-18086 #
AD-A284782 ..... p 261 N95-20062 #
AD-A284788 ..... p 261 N95-20084
AD-A284843 ..... p 210 N95-19695 #
AD-A284849 ..... p 210 N95-19714 #
AD-A284861 ..... p 212 N95-19740
AD-A284900 ..... p 104 N95-15755 #
AD-A284908 ..... p 92 N95-15757 #
AD-A284917 ..... p 104 N95-15759 #
AD-A284922 ..... p 261 N95-19998 #
AD-A284926 ..... p 168 N95-16136 #
AD-A284928 ..... p 169 N95-16140 #
AD-A284936 ..... p 263 N95-22472 #
AD-A284949 ..... p 264 N95-22473 #
AD-A284970 ..... p 146 N95-16132 #
AD-A284974 ..... p 147 N95-16228 #
AD-A285050 ..... p 212 N95-19564 #
AD-A285055 ..... p 252 N95-20485 #
AD-A285064 ..... p 169 N95-16368 #
AD-A285074 ..... p 148 N95-16491 #
AD-A285085 ..... p 143 N95-17666
AD-A285133 ..... p 212 N95-19583 #
AD-A285137 ..... p 170 N95-16615 #
AD-A285157 ..... p 157 N95-16847 #
AD-A285164 ..... p 157 N95-16851 #
AD-A285181 ..... p 176 N95-16145 #
AD-A285186 ..... p 157 N95-16871 #
AD-A285191 ..... p 147 N95-16405 #
AD-A285199 ..... p 176 N95-16147 #
AD-A285210 ..... p 178 N95-16813 #
AD-A285211 ..... p 170 N95-16518 #
AD-A285213 ..... p 170 N95-16520 #
AD-A285233 ..... p 142 N95-16599 #
AD-A285237 ..... p 169 N95-16244 #
AD-A285338 ..... p 172 N95-16817 #
AD-A285343 ..... p 178 N95-16821 #
AD-A285344 ..... p 172 N95-16822 #
AD-A285345 ..... p 172 N95-16835 #
AD-A285353 ..... p 258 N95-22475 #
AD-A285364 ..... p 252 N95-20549 #
AD-A285389 ..... p 262 N95-20609 #
AD-A285450 ..... p 178 N95-16875 #
AD-A285452 ..... p 208 N95-19536 #
AD-A285453 ..... p 174 N95-18094
AD-A285457 ..... p 210 N95-19537 #
AD-A285458 ..... p 212 N95-19538 #
AD-A285475 ..... p 149 N95-16619 #
AD-A285476 ..... p 254 N95-20979 #
AD-A285516 ..... p 157 N95-17174 #
AD-A285522 ..... p 174 N95-18095 #
AD-A285549 ..... p 255 N95-21160 #
AD-A285605 ..... p 262 N95-21192 #
AD-A285618 ..... p 251 N95-19898 #
AD-A285636 ..... p 262 N95-21101 #
AD-A285639 ..... p 311 N95-23780 #
AD-A285666 ..... p 38 N95-12354 #
AD-A285674 ..... p 173 N95-17175 #
AD-A285829 ..... p 313 N95-22513 #
AD-A285882 ..... p 212 N95-19602 #
AD-A285940 ..... p 263 N95-22323 #
AD-A285941 ..... p 263 N95-22324 #
AD-A285945 ..... p 262 N95-20393 #
AD-A286066 ..... p 253 N95-20648 #
AD-A286078 ..... p 253 N95-20650 #
AD-A286079 ..... p 254 N95-20651 #
AD-A286084 ..... p 253 N95-20611 #

AD-A286092 ..... p 267 N95-22274 #
AD-A286245 ..... p 257 N95-22027 #
AD-A286246 ..... p 257 N95-22040 #
AD-A286247 ..... p 161 N95-19384 #
AD-A286249 ..... p 161 N95-19385 #
AD-A286257 ..... p 256 N95-22001
AD-A286269 ..... p 257 N95-22003 #
AD-A286270 ..... p 257 N95-22004 #
AD-A286289 ..... p 267 N95-22045 #
AD-A286291 ..... p 263 N95-22052 #
AD-A286426 ..... p 265 N95-21566 #
AD-A286471 ..... p 267 N95-22275 #
AD-A286560 ..... p 262 N95-20845 #
AD-A286623 ..... p 265 N95-20768 #
AD-A286654 ..... p 265 N95-20973 #
AD-A288223 ..... p 449 N95-28915
AD-A288243 ..... p 487 N95-31144 #
AD-A288345 ..... p 379 N95-26573
AD-A288433 ..... p 385 N95-26779
AD-A288435 ..... p 393 N95-27181
AD-A288478 ..... p 401 N95-27058
AD-A288504 ..... p 386 N95-27059
AD-A288506 ..... p 400 N95-26736
AD-A288560 ..... p 400 N95-26558
AD-A288628 ..... p 357 N95-25610
AD-A288638 ..... p 525 N95-31399
AD-A288701 ..... p 355 N95-26010
AD-A288794 ..... p 379 N95-26360
AD-A288805 ..... p 381 N95-27097
AD-A288807 ..... p 348 N95-26193
AD-A288831 ..... p 384 N95-26494
AD-A288858 ..... p 400 N95-26552
AD-A288907 ..... p 450 N95-29139
AD-A288908 ..... p 402 N95-27195
AD-A288929 ..... p 379 N95-26608
AD-A288955 ..... p 379 N95-26435
AD-A289023 ..... p 493 N95-30998 #
AD-A289172 ..... p 400 N95-26612
AD-A289173 ..... p 392 N95-27012
AD-A289175 ..... p 392 N95-27013
AD-A289192 ..... p 453 N95-29757 #
AD-A289216 ..... p 386 N95-26991
AD-A289295 ..... p 386 N95-27039
AD-A289299 ..... p 401 N95-27046
AD-A289303 ..... p 386 N95-26917
AD-A289337 ..... p 400 N95-26737
AD-A289386 ..... p 401 N95-26863
AD-A289398 ..... p 401 N95-26883
AD-A289399 ..... p 401 N95-26884 *
AD-A289400 ..... p 385 N95-26885
AD-A289405 ..... p 402 N95-27099
AD-A289406 ..... p 381 N95-27100
AD-A289456 ..... p 392 N95-26992
AD-A289491 ..... p 391 N95-26825
AD-A289502 ..... p 391 N95-26843
AD-A289547 ..... p 401 N95-26755
AD-A289558 ..... p 385 N95-26680
AD-A289561 ..... p 391 N95-26683
AD-A289583 ..... p 391 N95-26691
AD-A289587 ..... p 391 N95-26692
AD-A289606 ..... p 431 N95-29263
AD-A289678 ..... p 381 N95-26761
AD-A289691 ..... p 385 N95-26763
AD-A289721 ..... p 469 N95-28683
AD-A289725 ..... p 430 N95-28685
AD-A289775 ..... p 457 N95-29458
AD-A289785 ..... p 355 N95-26041
AD-A289998 ..... p 383 N95-28519
AD-A290034 ..... p 457 N95-29439 #
AD-A290049 ..... p 457 N95-29443 #
AD-A290076 ..... p 403 N95-28390
AD-A290117 ..... p 456 N95-29422 #
AD-A290137 ..... p 450 N95-29141 #
AD-A290153 ..... p 431 N95-29320 #
AD-A290156 ..... p 449 N95-29022 #
AD-A290200 ..... p 450 N95-29059 #
AD-A290222 ..... p 472 N95-29906 #
AD-A290263 ..... p 451 N95-29173 #
AD-A290327 ..... p 450 N95-29086 #
AD-A290342 ..... p 431 N95-29088 #
AD-A290439 ..... p 487 N95-30452
AD-A290443 ..... p 471 N95-29359 #
AD-A290498 ..... p 450 N95-29153 #
AD-A290501 ..... p 531 N95-33200 #
AD-A290507 ..... p 431 N95-29155 #
AD-A290513 ..... p 455 N95-29090 #
AD-A290520 ..... p 453 N95-29872 #
AD-A290521 ..... p 452 N95-29360 #
AD-A290595 ..... p 452 N95-29557 #
AD-A290600 ..... p 173 N95-17530 #
AD-A290916 ..... p 454 N95-30083 #
AD-A291170 ..... p 453 N95-29927 #
AD-A291264 ..... p 453 N95-29995 #
AD-A291270 ..... p 453 N95-29933 #
AD-A291338 ..... p 472 N95-29943 #
AD-A291351 ..... p 492 N95-30870 #
AD-A291499 ..... p 492 N95-30563 #
AD-A291500 ..... p 453 N95-29846 #
AD-A291553 ..... p 470 N95-28935
AD-A291569 ..... p 455 N95-28937
AD-A291595 ..... p 449 N95-28940
AD-A291598 ..... p 388 N95-28561
AD-A291604 ..... p 449 N95-28941
AD-A291633 ..... p 383 N95-28546
AD-A291662 ..... p 403 N95-28667
AD-A291704 ..... p 383 N95-28525
AD-A291836 ..... p 456 N95-29432 #
AD-A291856 ..... p 456 N95-29434 #
AD-A291955 ..... p 470 N95-29020 #
AD-A292037 ..... p 451 N95-29188 #
AD-A292079 ..... p 452 N95-29238 #
AD-A292104 ..... p 455 N95-28918 #
AD-A292118 ..... p 314 N95-23601 #
AD-A292321 ..... p 470 N95-28792 #
AD-A292323 ..... p 448 N95-28793 #
AD-A292326 ..... p 470 N95-28794 #
AD-A292488 ..... p 449 N95-28866 #
AD-A292505 ..... p 451 N95-29161 #
AD-A292512 ..... p 456 N95-29162 #
AD-A292538 ..... p 470 N95-28969 #
AD-A292539 ..... p 470 N95-28970 #
AD-A292641 ..... p 471 N95-29378 #
AD-A292789 ..... p 511 N95-31436 #
AD-A292829 ..... p 493 N95-31446 #
AD-A292894 ..... p 511 N95-31383 #
AD-A292895 ..... p 525 N95-31401 #
AD-A293055 ..... p 525 N95-31671 #
AD-A293123 ..... p 524 N95-30888 #
AD-A293191 ..... p 492 N95-30981 #
AD-A293227 ..... p 511 N95-30905 #
AD-A293239 ..... p 524 N95-30907 #
AD-A293310 ..... p 511 N95-31140 #
AD-A293327 ..... p 492 N95-30924 #
AD-A293448 ..... p 493 N95-31373 #
AD-A293521 ..... p 525 N95-31538 #
AD-A293555 ..... p 534 N95-34609 #
AD-A293560 ..... p 534 N95-34610 #
AD-A293581 ..... p 512 N95-31685 #
AD-A293582 ..... p 512 N95-31686 #
AD-A293607 ..... p 540 N95-34616 #
AD-A293742 ..... p 493 N95-31570 #
AD-A293779 ..... p 511 N95-31376 #
AD-A293788 ..... p 512 N95-31583 #
AD-A293798 ..... p 512 N95-31585 #
AD-A293821 ..... p 493 N95-31552 #
AD-A294005 ..... p 538 N95-34370 #
AD-A294018 ..... p 538 N95-34376 #
AD-A294041 ..... p 539 N95-34489 #
AD-A294047 ..... p 539 N95-34492 #
AD-A294049 ..... p 539 N95-34378 #
AD-A294065 ..... p 532 N95-34472 #
AD-A294095 ..... p 539 N95-34475 #
AD-A294146 ..... p 533 N95-34754 #
AD-A294275 ..... p 534 N95-34463 #
AD-A294337 ..... p 534 N95-34356 #
AD-A294342 ..... p 538 N95-34358 #
AD-A294839 ..... p 532 N95-34564 #
AD-A294894 ..... p 533 N95-34573 #
AD-A294895 ..... p 539 N95-34574 #
AD-A294953 ..... p 539 N95-34577 #
AD-A295024 ..... p 530 N95-34789 #

AD-D016253 ..... p 267 N95-22099 #
AD-D017273 ..... p 471 N95-29600
AD-D017350 ..... p 524 N95-30552

AF-AFOSR-0763-94-TR ..... p 379 N95-26360

AFIT/CI/CIA-94-006D ..... p 83 N95-14145 #
AFIT/CI/CIA-94-013 ..... p 169 N95-16299 #
AFIT/CI/CIA-94-014 ..... p 20 N95-11570 #
AFIT/CI/CIA-94-035D ..... p 180 N95-18385
AFIT/CI/CIA-94-035 ..... p 169 N95-16298 #
AFIT/CI/CIA-94-043 ..... p 147 N95-16360 #
AFIT/CI/CIA-94-049 ..... p 147 N95-16297 #
AFIT/CI/CIA-94-060 ..... p 17 N95-11338 #
AFIT/CI/CIA-94-062 ..... p 22 N95-11326
AFIT/CI/CIA-94-069 ..... p 173 N95-17447
AFIT/CI/CIA-94-074 ..... p 169 N95-16301 #
AFIT/CI/CIA-94-087 ..... p 170 N95-16433 #
AFIT/CI/CIA-94-089 ..... p 17 N95-11337 #
AFIT/CI/CIA-94-092 ..... p 20 N95-11340 #
AFIT/CI/CIA-94-108 ..... p 143 N95-17714 #
AFIT/CI/CIA-94-130 ..... p 493 N95-30998 #

AFIT/CI/CIA/94-145 ..... p 391 N95-26683
AFIT/CI/CIA/94-146 ..... p 401 N95-26883

AFIT/GCE/ENG/94S-01 ..... p 261 N95-20064

AFIT/GCS/ENG/94D-06 ..... p 400 N95-26737
AFIT/GCS/ENG/94D-21 ..... p 401 N95-27046
AFIT/GE/ENG/94D-03 ..... p 386 N95-27039
AFIT/GE/ENG/94D-27 ..... p 386 N95-26991

AFIT/GEO/ENG/94D-03 ..... p 396 N95-26917

AFIT/GIR/LAR/94D-6 ..... p 402 N95-27195

AFOSR-94-0206TR ..... p 449 N95-28866 #
AFOSR-94-0329TR ..... p 264 N95-20562
AFOSR-94-0331TR ..... p 261 N95-20314
AFOSR-94-0332TR ..... p 261 N95-20007 #
AFOSR-94-0370TR ..... p 93 N95-14600 #
AFOSR-94-0371TR ..... p 20 N95-10536 #
AFOSR-94-0372TR ..... p 148 N95-16484 #
AFOSR-94-0374TR ..... p 148 N95-16481 #
AFOSR-94-0382TR ..... p 149 N95-16515 #
AFOSR-94-0385TR ..... p 16 N95-10533 #
AFOSR-94-0399TR ..... p 156 N95-16796 #
AFOSR-94-0401TR ..... p 35 N95-13375 #
AFOSR-94-0413TR ..... p 168 N95-16010 #
AFOSR-94-0418TR ..... p 168 N95-15959
AFOSR-94-0421TR ..... p 147 N95-16378
AFOSR-94-0450TR ..... p 35 N95-12495 #
AFOSR-94-0451TR ..... p 158 N95-17342 #
AFOSR-94-0464TR ..... p 32 N95-12535
AFOSR-94-0471TR ..... p 169 N95-16377
AFOSR-94-0480TR ..... p 251 N95-19898 #
AFOSR-94-0481TR ..... p 210 N95-19698 #
AFOSR-94-0495TR ..... p 159 N95-18512
AFOSR-94-0499TR ..... p 174 N95-18401
AFOSR-94-0503TR ..... p 159 N95-18626
AFOSR-94-0505TR ..... p 85 N95-14408 #
AFOSR-94-0508TR ..... p 159 N95-18518
AFOSR-94-0510TR ..... p 174 N95-18403
AFOSR-94-0513TR ..... p 143 N95-18439
AFOSR-94-0514TR ..... p 158 N95-18400
AFOSR-94-0523TR ..... p 146 N95-16135 #
AFOSR-94-0541TR ..... p 93 N95-14369 #
AFOSR-94-0542TR ..... p 160 N95-18656
AFOSR-94-0547TR ..... p 95 N95-15770
AFOSR-94-0555TR ..... p 264 N95-22473 #
AFOSR-94-0558TR ..... p 252 N95-20485 #
AFOSR-94-0562TR ..... p 169 N95-16368 #
AFOSR-94-0565TR ..... p 263 N95-22472 #
AFOSR-94-0577TR ..... p 212 N95-19740
AFOSR-94-0588TR ..... p 142 N95-16599 #
AFOSR-94-0590TR ..... p 169 N95-16244 #
AFOSR-94-0591TR ..... p 258 N95-22475 #
AFOSR-94-0605TR ..... p 157 N95-16847 #
AFOSR-94-0606TR ..... p 157 N95-16851 #
AFOSR-94-0619TR ..... p 168 N95-16138 #
AFOSR-94-0621TR ..... p 157 N95-16871 #
AFOSR-94-0621TR ..... p 253 N95-20848 #
AFOSR-94-0622TR ..... p 261 N95-19998 #
AFOSR-94-0641TR ..... p 311 N95-23780 #
AFOSR-94-0644TR ..... p 262 N95-21101 #
AFOSR-94-0648TR ..... p 262 N95-21192 #
AFOSR-94-0670TR ..... p 212 N95-19602 #
AFOSR-94-0676TR ..... p 253 N95-20811 #
AFOSR-94-0681TR ..... p 487 N95-31144 #
AFOSR-94-0682TR ..... p 449 N95-28915
AFOSR-94-0720TR ..... p 262 N95-20845 #
AFOSR-94-0721TR ..... p 267 N95-22275 #
AFOSR-94-0752TR ..... p 385 N95-26779
AFOSR-95-0013TR ..... p 449 N95-29022 #
AFOSR-95-0015TR ..... p 431 N95-29320 #
AFOSR-95-0021TR ..... p 456 N95-29422 #
AFOSR-95-0104TR ..... p 453 N95-29933 #
AFOSR-95-0110TR ..... p 455 N95-28937
AFOSR-95-0243TR ..... p 511 N95-31436 #
AFOSR-95-0338TR ..... p 532 N95-34472 #

AFPT-90-4M0-028 ..... p 532 N95-34564 #
AFPT-90-901-961 ..... p 385 N95-26763

AGARD-AR-317 ..... p 103 N95-14263 #
AGARD-AR-324 ..... p 34 N95-12133 #
AGARD-AR-325 ..... p 314 N95-23601 #

AGARD-CP-553 ..... p 161 N95-19413 #

AGARD-LS-202 ..... p 537 N95-34050 #

AI-M-1473 ..... p 245 N95-20185 #
AI-M-1479 ..... p 34 N95-11942

AI-TR-1495 ..... p 457 N95-29443 #

AIAA PAPER 95-0991 ..... p 465 A95-90661 *

AL-AO-TN-1995-0001 ..... p 456 N95-29162 #

AL/AO-PC-1995-0012 ..... p 493 N95-31552 #

AL/AO-TM-1995-0001 ..... p 451 N95-29161 #

AL/AO-TP-1994-0014 ..... p 448 N95-28793 #

AL/AO-TR-1994-0023 ..... p 251 N95-20301
AL/AO-TR-1994-0030 ..... p 95 N95-15768
AL/AO-TR-1994-0174 ..... p 511 N95-30905 #
AL/AO-TR-1995-0003 ..... p 511 N95-31376 #

AL/CF-SR-1994-0013 ..... p 525 N95-31671 #
AL/CF-SR-1995-0004 ..... p 525 N95-31538 #

AL/CF-TE-1994-0051 ..... p 469 N95-28683

AL/CF-TP-1994-0004 ..... p 256 N95-21941

AL/CF-TR-1993-0101 ..... p 266 N95-21700
AL/CF-TR-1993-0121 ..... p 13 N95-10920
AL/CF-TR-1994-0025 ..... p 252 N95-20457
AL/CF-TR-1994-0033 ..... p 210 N95-19714 #
AL/CF-TR-1994-0043 ..... p 388 N95-28561
AL/CF-TR-1994-0046 ..... p 160 N95-18661
AL/CF-TR-1994-0047-VOL-1 ..... p 22 N95-10728
AL/CF-TR-1994-0047-VOL-2 ..... p 22 N95-11357
AL/CF-TR-1994-0076 ..... p 176 N95-16553
AL/CF-TR-1994-0077-VOL-1 ..... p 265 N95-21566 #
AL/CF-TR-1994-0084 ..... p 261 N95-20062 #
AL/CF-TR-1994-0085 ..... p 173 N95-18084
AL/CF-TR-1994-0087 ..... p 355 N95-26041
AL/CF-TR-1994-0091 ..... p 452 N95-29360 #
AL/CF-TR-1994-0112 ..... p 470 N95-28792 #
AL/CF-TR-1994-0151 ..... p 524 N95-30907 #
AL/CF-TR-1994-0156 ..... p 493 N95-31373 #

AL/HR-TP-1994-0005 ..... p 261 N95-19970 #
AL/HR-TP-1994-0010 ..... p 173 N95-17175 #
AL/HR-TP-1994-0023 ..... p 401 N95-26863
AL/HR-TP-1994-0034 ..... p 512 N95-31583 #

AL/HR-TR-1994-0090 ..... p 104 N95-15755 #
AL/HR-TR-1994-0107 ..... p 178 N95-16875 #
AL/HR-TR-1994-0111 ..... p 313 N95-22513 #
AL/HR-TR-1994-0138 ..... p 472 N95-29943 #

AL/OE-TR-1994-0141 ..... p 530 N95-34789 #

ANL/BIM/PP-70108 ..... p 251 N95-20074 #
ANL/BIM/PP-71687 ..... p 309 N95-23771 #
ANL/BIM/PP-76678 ..... p 307 N95-22912 #
ANL/BIM/PP-78964 ..... p 352 N95-24427 #

ANL/CHM/CP-80107 ..... p 245 N95-19969 #

ANL/CHM/PP-79997 ..... p 249 N95-22075 #
ANL/CHM/PP-80864 ..... p 382 N95-27948 #

ANL/CMB/CP-82418 ..... p 247 N95-21376 #

ANL/CMB/PP-81002 ..... p 249 N95-22067 #
ANL/CMB/PP-82201 ..... p 308 N95-22913 #

ANL/ER/CP-82983 ..... p 14 N95-11697 #

ANL/MCS-TM-200 ..... p 346 N95-25181 #

ANL/MCS/CP-83621 ..... p 432 N95-30114 #

AR-008-562 ..... p 181 N95-19502

ARCCB-TR-94006 ..... p 263 N95-21968

ARI-RN-94-25 ..... p 94 N95-15326 #
ARI-RN-95-06 ..... p 455 N95-29090 #
ARI-RN-95-16 ..... p 512 N95-31585 #
ARI-RN-95-24 ..... p 512 N95-31686 #

ARI-TR-1004 ..... p 174 N95-18095 #

ARL-CR-143 ..... p 402 N95-27099

ARL-MR-178 ..... p 104 N95-15759 #

ARL-TR-460 ..... p 264 N95-20625
ARL-TR-524 ..... p 179 N95-18029 #
ARL-TR-747 ..... p 538 N95-34376 #

ARO-27890.1-LS ..... p 531 N95-33200 #
ARO-28011.2-LS ..... p 142 N95-16164 #
ARO-28095.4-LS-SAH ..... p 148 N95-16423 #
ARO-28750.1-LS-SM ..... p 431 N95-29155 #
ARO-29097.3-LS ..... p 379 N95-26573
ARO-29194.9-LS ..... p 383 N95-28525
ARO-29594.1-LS ..... p 450 N95-29153 #
ARO-29714.1-LS ..... p 30 N95-13373 #
ARO-32557.1-PH-CF ..... p 383 N95-28546

ASC-TR-94-5030 ..... p 392 N95-27012

BNL-61078 ..... p 347 N95-25383 #

BTN-94-EIX94301313413 ..... p 175 A95-64205
BTN-94-EIX94341340323 ..... p 27 A95-60859
BTN-94-EIX94341340324 ..... p 27 A95-60860
BTN-94-EIX94341340325 ..... p 27 A95-60861
BTN-94-EIX94341340604 ..... p 105 A95-63569
BTN-94-EIX94341341389 ..... p 145 A95-65124
BTN-94-EIX94361122293 ..... p 209 A95-65873
BTN-94-EIX94361122408 ..... p 209 A95-65904
BTN-94-EIX94361133479 ..... p 209 A95-65976
BTN-94-EIX94361134953 ..... p 145 A95-65203
BTN-94-EIX94361135047 ..... p 209 A95-65949
BTN-94-EIX94371346929 ..... p 269 A95-73341
BTN-94-EIX94381359517 ..... p 230 A95-71754
BTN-94-EIX94381359518 ..... p 250 A95-71755
BTN-94-EIX94401310326 ..... p 305 A95-76501
BTN-94-EIX94401310327 ..... p 305 A95-76502
BTN-94-EIX94401310330 ..... p 305 A95-76505
BTN-94-EIX94401361400 ..... p 310 A95-75510
BTN-94-EIX94421282938 ..... p 348 A95-78952
BTN-94-EIX94421282944 ..... p 320 A95-78955
BTN-94-EIX94421282946 ..... p 348 A95-78957
BTN-94-EIX94421282947 ..... p 348 A95-78958
BTN-94-EIX94421282949 ..... p 348 A95-78959
BTN-94-EIX94421282958 ..... p 349 A95-78960
BTN-94-EIX94421282961 ..... p 349 A95-78961
BTN-94-EIX94421282962 ..... p 349 A95-78962
BTN-94-EIX94431375202 ..... p 436 A95-86153
BTN-94-EIX94441385675 ..... p 531 A95-86594
BTN-94-EIX94441385677 ..... p 531 A95-86595
BTN-94-EIX94451361016 ..... p 75 A95-62226
BTN-94-EIX94461400303 ..... p 141 A95-65315
BTN-94-EIX94501431532 ..... p 141 A95-64529
BTN-94-EIX94501433007 ..... p 195 A95-67426
BTN-94-EIX94522406288 ..... p 527 A95-86275
BTN-94-EIX94522407596 ..... p 535 A95-86246
BTN-94-EIX95012419652 ..... p 375 A95-84370
BTN-94-EIX95012419657 ..... p 388 A95-84375
BTN-95-EIX95032452326 ..... p 213 A95-68263
BTN-95-EIX95032452328 ..... p 213 A95-68265
BTN-95-EIX95032453043 ..... p 209 A95-68268 *
BTN-95-EIX95041503782 ..... p 213 A95-68223
BTN-95-EIX95042474623 ..... p 213 A95-68277
BTN-95-EIX95042477107 ..... p 213 A95-68352
BTN-95-EIX95122531759 ..... p 320 A95-79005
BTN-95-EIX95122539066 ..... p 320 A95-79141
BTN-95-EIX95122539416 ..... p 313 A95-73427
BTN-95-EIX95122540286 ..... p 320 A95-79211
BTN-95-EIX95162617479 ..... p 313 A95-75750
BTN-95-EIX95242679361 ..... p 361 A95-82075
BTN-95-EIX95262697087 ..... p 457 A95-86876
BTN-95-EIX95282661186 ..... p 475 A95-92524
BTN-95-EIX95282661227 ..... p 443 A95-89826
BTN-95-EIX95292725315 ..... p 475 A95-92688
BTN-95-EIX95302430624 ..... p 424 A95-91326
BTN-95-EIX95302460580 ..... p 488 A95-94245
BTN-95-EIX95332423426 ..... p 516 A95-95019
BTN-95-EIX95332424643 ..... p 485 A95-94901
BTN-95-EIX95332424644 ..... p 485 A95-94900
BTN-95-EIX95332424653 ..... p 485 A95-94892
BTN-95-EIX95332424654 ..... p 484 A95-94891
BTN-95-EIX95332424658 ..... p 484 A95-94889
BTN-95-EIX95332424659 ..... p 484 A95-94888
BTN-95-EIX95332424660 ..... p 484 A95-94887
BTN-95-EIX95332424664 ..... p 484 A95-94885
BTN-95-EIX95332424665 ..... p 483 A95-94884
BTN-95-EIX95332424668 ..... p 483 A95-94881
BTN-95-EIX95332424669 ..... p 483 A95-94880
BTN-95-EIX95332424675 ..... p 483 A95-94877
BTN-95-EIX95332424676 ..... p 488 A95-94876
BTN-95-EIX95332424677 ..... p 488 A95-94875

CAR-TR-725 ..... p 391 N95-26843

CBCL-95 ..... p 245 N95-20185 #

CG-D-26-94 ..... p 400 N95-26612

CGR/DC-11/94 ..... p 400 N95-26612

CMU-CS-94-127 ..... p 260 N95-19887
CMU-CS-94-162 ..... p 175 N95-19068
CMU-CS-94-175 ..... p 178 N95-16813 #
CMU-CS-94-181 ..... p 170 N95-16518 #
CMU-CS-94-224 ..... p 511 N95-31383 #
CMU-CS-95-123 ..... p 525 N95-31401 #

CMU-HCII-94-101 ..... p 260 N95-19887
CMU-HCII-94-103 ..... p 178 N95-16813 #

CMU-RI-TR-94-33 ..... p 401 N95-26884 *
CMU-RI-TR-94-39 ..... p 392 N95-27013
CMU-RI-TR-95-11 ..... p 512 N95-31685 #

CONF-8808142-PT-3 ..... p 431 N95-29471 #

CONF-9110552-ABSTS ..... p 383 N95-28496 #
CONF-9112182 ..... p 249 N95-22397
CONF-9303304-1 ..... p 248 N95-21548 #
CONF-9305375-ABSTS ..... p 248 N95-22066 #
CONF-9307199-EXTD-ABSTS ..... p 306 N95-22866 #
CONF-930954 ..... p 27 N95-11728 #
CONF-9311250 ..... p 379 N95-26597 #
CONF-9404178-ABSTS ..... p 306 N95-22589 #
CONF-9404178-1 ..... p 249 N95-22296 #
CONF-9405159-1 ..... p 95 N95-13671 #
CONF-9405165-1 ..... p 14 N95-11697 #
CONF-9405190-1 ..... p 29 N95-12677 #
CONF-9405196-2 ..... p 248 N95-21606 #
CONF-9405240-2 ..... p 247 N95-21366 #
CONF-940526-6 ..... p 305 N95-22588 #
CONF-9406207-1 ..... p 143 N95-18371 #
CONF-9406207-2 ..... p 347 N95-26169 #
CONF-9406311-1 ..... p 382 N95-27725 #
CONF-9407173-PT-1 ..... p 430 N95-28947 #
CONF-9408117-1 ..... p 247 N95-21376 #
CONF-9408117-3 ..... p 307 N95-22890 #
CONF-940876-2 ..... p 266 N95-21637 #
CONF-9409253-1 ..... p 311 N95-24145 #
CONF-941001-2 ..... p 266 N95-21721 #
CONF-9410236-1 ..... p 258 N95-22267 #
CONF-9410236-2 ..... p 257 N95-22265 #
CONF-941086-3 ..... p 265 N95-21358 #
CONF-941118-10 ..... p 432 N95-30114 #
CONF-941219-1 ..... p 267 N95-22466 #
CONF-950226-39 ..... p 530 N95-33654 #
CONF-9504126-1 ..... p 487 N95-32358 #
CONF-9505158-2 ..... p 386 N95-27426 #
CONF-9506173-1 ..... p 494 N95-32097 #

CONGRESS PAPER C428-14-201 p 469 A95-91707
CONGRESS PAPER C428-14-202 p 469 A95-91708
CONGRESS PAPER C428-14-203 p 469 A95-91709
CONGRESS PAPER C428-30-179 p 512 A95-93614

CRSSA-8/FH/TP ..... p 351 N95-24310

CS-TR-3319 ..... p 391 N95-26843

CSP-93-1041 ..... p 210 N95-19695 #

DCIEM-94-40 ..... p 174 N95-18151 #
DCIEM-94-47 ..... p 256 N95-22001

DCN 1-4-EA-00696 ..... p 41 N95-13702 * #

DE94-011858 ..... p 246 N95-20471 #
DE94-012236 ..... p 95 N95-13671 #
DE94-013180 ..... p 30 N95-13271 #
DE94-013317 ..... p 14 N95-11697 #
DE94-013699 ..... p 27 N95-11737 #
DE94-013857 ..... p 346 N95-24600 #
DE94-014105 ..... p 305 N95-22588 #
DE94-014249 ..... p 306 N95-22589 #
DE94-014513 ..... p 104 N95-15309 #
DE94-014565 ..... p 29 N95-12677 #
DE94-014657 ..... p 267 N95-22466 #
DE94-014961 ..... p 306 N95-22590 #
DE94-015076 ..... p 247 N95-21376 #
DE94-015200 ..... p 143 N95-18371 #
DE94-015606 ..... p 249 N95-22397
DE94-016032 ..... p 306 N95-22872 #
DE94-016222 ..... p 306 N95-22873 #
DE94-016227 ..... p 306 N95-22874 #
DE94-016228 ..... p 311 N95-22875 #
DE94-016230 ..... p 307 N95-22884 #
DE94-016587 ..... p 309 N95-23771 #
DE94-016591 ..... p 307 N95-22912 #
DE94-017083 ..... p 308 N95-22913 #
DE94-017530 ..... p 160 N95-19244 #
DE94-017796 ..... p 248 N95-22065 #
DE94-017863 ..... p 307 N95-22890 #
DE94-018284 ..... p 249 N95-22296 #
DE94-018383 ..... p 245 N95-19969 #
DE94-018852 ..... p 248 N95-21548 #
DE94-019153 ..... p 248 N95-21606 #
DE94-019238 ..... p 248 N95-22066 #
DE94-019275 ..... p 251 N95-20074 #
DE94-621923 ..... p 27 N95-11728 #
DE94-628486 ..... p 306 N95-23050 #
DE94-628489 ..... p 308 N95-23053 #
DE94-628491 ..... p 308 N95-23058 #
DE94-628493 ..... p 308 N95-23060 #
DE94-792664 ..... p 347 N95-25902 #
DE95-000257 ..... p 345 N95-24306 #
DE95-000259 ..... p 345 N95-24307 #
DE95-000859 ..... p 247 N95-21366 #
DE95-000895 ..... p 306 N95-22866 #
DE95-001046 ..... p 208 N95-19613 #
DE95-001101 ..... p 249 N95-22067 #
DE95-001602 ..... p 266 N95-21721 #
DE95-001672 ..... p 305 N95-22493 #

DE95-002200 ..... p 256 N95-21595 #
DE95-002259 ..... p 257 N95-22285 #
DE95-002260 ..... p 258 N95-22287 #
DE95-002392 ..... p 265 N95-21358 #
DE95-002393 ..... p 266 N95-21637 #
DE95-002797 ..... p 247 N95-21526 #
DE95-002899 ..... p 246 N95-20917 #
DE95-002979 ..... p 249 N95-22075 #
DE95-003099 ..... p 310 N95-24075 #
DE95-003140 ..... p 345 N95-24225 #
DE95-003147 ..... p 311 N95-24145 #
DE95-003195 ..... p 249 N95-22220
DE95-003265 ..... p 352 N95-24497 #
DE95-003339 ..... p 307 N95-22897 #
DE95-003477 ..... p 311 N95-23142 #
DE95-004179 ..... p 346 N95-24850 #
DE95-004878 ..... p 346 N95-24843 #
DE95-004929 ..... p 347 N95-26169 #
DE95-005238 ..... p 386 N95-27426 #
DE95-005545 ..... p 345 N95-24368
DE95-005687 ..... p 347 N95-25383 #
DE95-005824 ..... p 382 N95-27948 #
DE95-005835 ..... p 352 N95-24427 #
DE95-005860 ..... p 432 N95-30114 #
DE95-005906 ..... p 346 N95-25181 #
DE95-006364 ..... p 354 N95-25371 #
DE95-006482 ..... p 383 N95-28496 #
DE95-006484 ..... p 431 N95-29471 #
DE95-006645 ..... p 357 N95-25483 #
DE95-008057 ..... p 382 N95-27725 #
DE95-008097 ..... p 387 N95-28136 #
DE95-008587 ..... p 393 N95-28176 #
DE95-009573 ..... p 487 N95-32358 #
DE95-009575 ..... p 494 N95-32097 #
DE95-009845 ..... p 536 N95-32535 #
DE95-010405 ..... p 487 N95-32040 #
DE95-011748 ..... p 530 N95-33654 #
DE95-600249 ..... p 352 N95-24367 #
DE95-604111 ..... p 379 N95-26597 #
DE95-605680 ..... p 354 N95-25981 #
DE95-607911 ..... p 381 N95-27254 #
DE95-613356 ..... p 524 N95-31267 #
DE95-620764 ..... p 531 N95-32666 #
DE95-758947 ..... p 430 N95-28947 #

DNA-TR-93-131 ..... p 256 N95-21629

DOE/EH-0377T ..... p 306 N95-22589 #
DOE/EH-0445 ..... p 354 N95-25371 #

DOE/ER-0621P ..... p 208 N95-19613 #
DOE/ER-0645 ..... p 487 N95-32040 #
DOE/ER-13188/9 ..... p 247 N95-21526 #
DOE/ER-13425/T3 ..... p 345 N95-24225 #
DOE/ER-13425/T4 ..... p 249 N95-22220
DOE/ER-13426/T3 ..... p 310 N95-24075 #
DOE/ER-13426/T4 ..... p 345 N95-24368
DOE/ER-13614/T1 ..... p 246 N95-20917 #
DOE/ER-13941/5 ..... p 306 N95-22874 #
DOE/ER-13968/3 ..... p 307 N95-22884 #
DOE/ER-20019/T1 ..... p 346 N95-24850 #
DOE/ER-20033/2 ..... p 30 N95-13271 #
DOE/ER-20042/2 ..... p 306 N95-22873 #
DOE/ER-60600/4 ..... p 311 N95-22875 #
DOE/ER-60639/6 ..... p 256 N95-21595 #
DOE/ER-60989/4 ..... p 27 N95-11737 #
DOE/ER-61370/1 ..... p 249 N95-22397
DOE/ER-75787/3 ..... p 357 N95-25483 #

DOE/GO-10094-037 ..... p 345 N95-24306 #
DOE/GO-10094-039 ..... p 345 N95-24307 #

DOE/MC-29113/3766-PHASE-2 .. p 104 N95-15309 #

DOE/PC-93212/T3 ..... p 306 N95-22872 #

DOT/FAA/AM-RN-94/20-PT-1 .... p 257 N95-22027 #

DOT/FAA/AM-94/13 ..... p 19 N95-10144 #
DOT/FAA/AM-94/14 ..... p 84 N95-14177 #
DOT/FAA/AM-94/15 ..... p 83 N95-14176 #
DOT/FAA/AM-94/16 ..... p 31 N95-11702 #
DOT/FAA/AM-94/17 ..... p 21 N95-11683 #
DOT/FAA/AM-94/18 ..... p 38 N95-12354 #
DOT/FAA/AM-94/20-PT-1 ..... p 35 N95-13019 #
DOT/FAA/AM-94/21-PT-2 ..... p 35 N95-13020 #
DOT/FAA/AM-94/21-PT-2 ..... p 257 N95-22040 #
DOT/FAA/AM-94/22-PT-3 ..... p 92 N95-13715 #
DOT/FAA/AM-94/22-PT-3 ..... p 161 N95-19384 #
DOT/FAA/AM-94/23-PT-4 ..... p 161 N95-19385 #
DOT/FAA/AM-94/23 ..... p 35 N95-13199 #
DOT/FAA/AM-94/24 ..... p 93 N95-14863 #
DOT/FAA/AM-94/26 ..... p 173 N95-17530 #
DOT/FAA/AM-94/27 ..... p 173 N95-17655 #
DOT/FAA/AM-95/10 ..... p 391 N95-26361 #
DOT/FAA/AM-95/11 ..... p 353 N95-25336 #
DOT/FAA/AM-95/12 ..... p 354 N95-26204 #
DOT/FAA/AM-95/13 ..... p 393 N95-27323 #
DOT/FAA/AM-95/14 ..... p 402 N95-27696 #
DOT/FAA/AM-95/17 ..... p 451 N95-29224 #
DOT/FAA/AM-95/18 ..... p 471 N95-29365 #
DOT/FAA/AM-95/19 ..... p 456 N95-29261 #
DOT/FAA/AM-95/3 ..... p 312 N95-23934 #
DOT/FAA/AM-95/5 ..... p 354 N95-24237 #
DOT/FAA/AM-95/7 ..... p 312 N95-23788 #
DOT/FAA/AM-95/9 ..... p 313 N95-24088 #

DOT/FAA/CT-TN-94/37 ..... p 472 N95-29908 #

DOT/FAA/CT-TN94/50 ..... p 525 N95-31399

DOT/FAA/92/24 ..... p 33 N95-12792 * #

DRDA-TR-94/ONR-EPIC-1 ..... p 176 N95-16119 #

DRES-SR-584 ..... p 252 N95-20602

E-24-X30 ..... p 313 N95-22797 * #
E-9204 ..... p 309 N95-23177 * #

ERDEC-CR-132 ..... p 180 N95-18531 #

ERDEC-TR-084 ..... p 29 N95-12614
ERDEC-TR-112-PT-2 ..... p 245 N95-20252
ERDEC-TR-175 ..... p 33 N95-12593

ERP-1156 ..... p 392 N95-26992

ES/ER/TM-35/R1 ..... p 387 N95-28136 #

FAA-AAM-A-HRR-126 ..... p 93 N95-14863 #

FEL-93-B160 ..... p 210 N95-19537 #

FOA-A-50020-5.2 ..... p 36 N95-11873
FOA-A-50023-5.2 ..... p 265 N95-21467
FOA-A-50024-5.2 ..... p 355 N95-24864
FOA-A-50025-5.2 ..... p 355 N95-24510

FOA-C-30757-3.1 ..... p 351 N95-24227
FOA-C-50103-5.3 ..... p 34 N95-11872
FOA-C-50105-5.1 ..... p 157 N95-17300
FOA-C-50107-5.1 ..... p 353 N95-24863

FOA-R-94-00008-5.1-SE ..... p 354 N95-25570 #
FOA-R-94-00077-5.2-SE ..... p 537 N95-33237 #

GTN-95-00489697-4145 ..... p 429 A95-92251
GTN-95-00489697-4147 ..... p 429 A95-92252
GTN-95-00489697-4162 ..... p 429 A95-92257
GTN-95-00489697-4188 ..... p 430 A95-92258
GTN-95-00489697-4198 ..... p 430 A95-92259
GTN-95-00489697-4201 ..... p 430 A95-92260
GTN-95-0168583X94006091-578 ..... p 363 A95-83090
GTN-95-09258388-4023 ..... p 424 A95-89501
GTN-95-09258388-4039 ..... p 424 A95-89463

HEI/RR-60/93 ..... p 142 N95-16801
HEI/RR-65-1/94-PT-1 ..... p 30 N95-13176 #

HQ-91-03N ..... p 471 N95-29180 *

HR95-001 ..... p 384 N95-26494

HTN-94-00359 ..... p 18 A95-60105 *
HTN-94-00393 ..... p 18 A95-60116 *
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HTN-95-92915 ..... p 445 A95-91853
HTN-95-92916 ..... p 445 A95-91854
HTN-95-92917 ..... p 445 A95-91855
HTN-95-92918 ..... p 446 A95-91856
HTN-95-93114 ..... p 511 A95-95615
HTN-95-93115 ..... p 490 A95-95616
HTN-95-93116 ..... p 485 A95-95617
HTN-95-93117 ..... p 485 A95-95618
HTN-95-93118 ..... p 491 A95-95619
HTN-95-93119 ..... p 523 A95-95620
HTN-95-93120 ..... p 523 A95-95621
HTN-95-93121 ..... p 485 A95-95622
HTN-95-93122 ..... p 486 A95-95623
HTN-95-93123 ..... p 486 A95-95624
HTN-95-93124 ..... p 486 A95-95625
HTN-95-93125 ..... p 486 A95-95626
HTN-95-93126 ..... p 486 A95-95627
HTN-95-93127 ..... p 487 A95-95628
HTN-95-93128 ..... p 491 A95-95629
HTN-95-93129 ..... p 491 A95-95630

IC-93/381 ..... p 308 N95-23050 #
IC-93/396 ..... p 308 N95-23053 #
IC-94/232 ..... p 381 N95-27254 #
IC-94/59 ..... p 308 N95-23058 #
IC-94/75 ..... p 308 N95-23060 #

IDA-P-2901 ..... p 400 N95-26552

IDA/HQ-93-44557 ..... p 400 N95-26552

INIS-BR-3412 ..... p 352 N95-24367 #

INIS-MF-13811 ..... p 27 N95-11728 #
INIS-MF-14307 ..... p 379 N95-26597 #
INIS-MF-14385 ..... p 354 N95-25981 #

INT-PATENT-CLASS-A47L-1/00 .. p 23 N95-11394 *
INT-PATENT-CLASS-A63B-21/008 p 314 N95-23264 *

INT-PATENT-CLASS-B25J-1/00 .. p 357 N95-25306 *
INT-PATENT-CLASS-B29C-39/12 p 313 N95-22766 *
INT-PATENT-CLASS-B29C-67/14 p 313 N95-22766 *

INT-PATENT-CLASS-G06F-15/44 p 312 N95-22579 *

IS-T-1710 ..... p 305 N95-22493 #

ISBN 0-08-042485-6 ..... p 1 A95-60632 *
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ISBN-951-38-4097-2 ..... p 262 N95-21284

ISVR-TR-236 ..... p 104 N95-15850

ISVR-92/33 ..... p 266 N95-21700

ITRI-144 ..... p 451 N95-29188 #

IZF-1994-B-5 ..... p 212 N95-19583 #
IZF-1994-B-9 ..... p 170 N95-16615 #

JINR-E-6-94-357 ..... p 531 N95-32666 #

JPRS-ULS-93-012 ..... p 31 N95-11744 #

JRC-95-02 ..... p 402 N95-27164 * #

KAERI/RR-1339/93 ..... p 524 N95-31267 #

L-17404 ..... p 148 N95-16412 * #

LA-UR-94-2831 ..... p 249 N95-22296 #
LA-UR-94-3139 ..... p 247 N95-21366 #
LA-UR-94-4387 ..... p 386 N95-27426 #

LA-12754-PR ..... p 248 N95-22065 #
LA-12788-MS ..... p 346 N95-24600 #

LBL-35672 ..... p 306 N95-22590 #

LC-94-66477 ..... p 28 N95-12310

LERC-255 ..... p 16 N95-10562 *

MIT-ANP-TR-026 ..... p 357 N95-25483 #

MRL-TN-648 ..... p 181 N95-19502

MSFC-1 ..... p 30 N95-13423 * #
MSFC-2 ..... p 382 N95-27329 * #

NAIC-ID(RS)T-0310-93 ..... p 431 N95-29263
NAIC-ID(RS)T-0414-94 ..... p 524 N95-30888 #

NAL-TR-1258 ..... p 493 N95-31714 #

NAMRL-SP-93-7 ..... p 260 N95-19957 #

NAMRL-SR-93-5 ..... p 146 N95-16151 #
NAMRL-SR-94-1 ..... p 255 N95-21180

NAMRL-1390 ..... p 253 N95-20710
NAMRL-1391 ..... p 175 N95-18414
NAMRL-1392 ..... p 251 N95-20307 #
NAMRL-1393 ..... p 158 N95-18138

NAS 1.15:104802 ..... p 36 N95-11878 * #
NAS 1.15:104808 ..... p 356 N95-24627 * #
NAS 1.15:106309 ..... p 309 N95-23177 * #
NAS 1.15:108463 ..... p 22 N95-11195 * #
NAS 1.15:108473 ..... p 181 N95-19061 * #
NAS 1.15:108488 ..... p 400 N95-26364 * #
NAS 1.15:108802-VOL-1 ..... p 187 N95-18569 * #
NAS 1.15:108812 ..... p 13 N95-10863 * #
NAS 1.15:108825 ..... p 28 N95-11810 * #
NAS 1.15:108830 ..... p 13 N95-10828 * #
NAS 1.15:108836 ..... p 13 N95-10826 * #
NAS 1.15:108838 ..... p 16 N95-10861 * #
NAS 1.15:108839 ..... p 33 N95-12792 * #
NAS 1.15:108840 ..... p 83 N95-13661 * #
NAS 1.15:108846 ..... p 37 N95-11905 * #
NAS 1.15:108856 ..... p 91 N95-15649 * #
NAS 1.15:108861 ..... p 144 N95-18734 * #
NAS 1.15:109927 ..... p 314 N95-23194 * #
NAS 1.15:110497 ..... p 346 N95-24531 * #
NAS 1.15:110654 ..... p 431 N95-29375 * #
NAS 1.15:110655 ..... p 527 N95-32719 * #
NAS 1.15:110741 ..... p 492 N95-30846 * #
NAS 1.15:4581 ..... p 28 N95-12006 * #
NAS 1.15:4650 ..... p 144 N95-19140 * #
NAS 1.15:4657 ..... p 248 N95-21544 * #
NAS 1.15:4684 ..... p 474 N95-28818 * #
NAS 1.15:4685 ..... p 474 N95-28722 * #
NAS 1.19/4:101 ..... p 96 N95-13888 * #
NAS 1.21:7011(393) ..... p 17 N95-11405 *
NAS 1.21:7011(394) ..... p 34 N95-13230 *
NAS 1.21:7011(395) ..... p 91 N95-15304 *
NAS 1.21:7011(396) ..... p 158 N95-17703 *
NAS 1.21:7011(397) ..... p 210 N95-19746 *
NAS 1.21:7011(398) ..... p 160 N95-19239 *
NAS 1.21:7011(399) ..... p 256 N95-21947 *
NAS 1.21:7011(400) ..... p 352 N95-24464 *
NAS 1.21:7011(401) ..... p 354 N95-25800 *
NAS 1.21:7011(402) ..... p 387 N95-27502 *
NAS 1.21:7011(403) ..... p 451 N95-29190 *
NAS 1.26:177646 ..... p 37 N95-11949 * #
NAS 1.26:177647 ..... p 38 N95-12132 * #
NAS 1.26:188368 ..... p 449 N95-28875 * #
NAS 1.26:195812 ..... p 34 N95-13270 * #
NAS 1.26:196154 ..... p 142 N95-16429 * #
NAS 1.26:196160 ..... p 17 N95-11250 * #
NAS 1.26:196279 ..... p 32 N95-12376 * #
NAS 1.26:196280 ..... p 17 N95-10937 * #
NAS 1.26:196385 ..... p 13 N95-10337 * #
NAS 1.26:196428 ..... p 14 N95-11218 * #
NAS 1.26:196430 ..... p 16 N95-10024 * #
NAS 1.26:196478 ..... p 39 N95-13026 * #
NAS 1.26:196594 ..... p 402 N95-27164 * #
NAS 1.26:196602 ..... p 382 N95-27329 * #
NAS 1.26:196696 ..... p 394 N95-28676 * #
NAS 1.26:196774 ..... p 23 N95-11386 * #
NAS 1.26:196780 ..... p 31 N95-11808 * #
NAS 1.26:196845 ..... p 17 N95-11594 * #
NAS 1.26:196846 ..... p 29 N95-12941 * #
NAS 1.26:196848 ..... p 30 N95-13423 * #
NAS 1.26:196849 ..... p 41 N95-13702 * #
NAS 1.26:196877 ..... p 31 N95-11708 * #
NAS 1.26:196946 ..... p 29 N95-12827 * #
NAS 1.26:196983 ..... p 141 N95-16034 * #
NAS 1.26:196984 ..... p 41 N95-13638 * #
NAS 1.26:197041 ..... p 42 N95-14796 * #
NAS 1.26:197051 ..... p 93 N95-14864 * #
NAS 1.26:197096 ..... p 141 N95-15961 * #
NAS 1.26:197156 ..... p 38 N95-12629 * #
NAS 1.26:197163 ..... p 38 N95-12361 * #
NAS 1.26:197178 ..... p 38 N95-12555 * #
NAS 1.26:197198 ..... p 103 N95-14854 * #
NAS 1.26:197298 ..... p 247 N95-21529 * #
NAS 1.26:197367 ..... p 246 N95-20559 * #
NAS 1.26:197379 ..... p 313 N95-22797 * #
NAS 1.26:197401 ..... p 266 N95-21866 * #
NAS 1.26:197486 ..... p 176 N95-16418 * #
NAS 1.26:197521 ..... p 179 N95-16894 * #
NAS 1.26:197618 ..... p 306 N95-22801 * #
NAS 1.26:197709 ..... p 353 N95-24556 * #
NAS 1.26:197845 ..... p 393 N95-27697 * #
NAS 1.26:197916 ..... p 307 N95-22911 * #
NAS 1.26:197930 ..... p 314 N95-23474 * #
NAS 1.26:197975 ..... p 345 N95-24475 * #
NAS 1.26:197980 ..... p 379 N95-26727 * #
NAS 1.26:197990 ..... p 310 N95-24047 * #
NAS 1.26:198010 ..... p 353 N95-24564 * #
NAS 1.26:198048 ..... p 352 N95-24410 * #
NAS 1.26:198575 ..... p 451 N95-29158 * #
NAS 1.26:198599 ..... p 382 N95-28177 * #
NAS 1.26:198979 ..... p 524 N95-31134 * #
NAS 1.26:199009 ..... p 540 N95-34764 * #
NAS 1.26:199125 ..... p 536 N95-32688 * #
NAS 1.26:4669 ..... p 393 N95-28253 * #
NAS 1.55:10071 ..... p 96 N95-14013 * #
NAS 1.60:3479 ..... p 148 N95-16412 * #
NAS 1.60:3489 ..... p 32 N95-11887 * #
NAS 1.60:3500 ..... p 36 N95-11811 * #
NAS 1.60:3511 ..... p 180 N95-18189 * #
NAS 1.71:LAR-13888-1 ..... p 252 N95-20408 * #
NAS 1.71:LAR-13894-1 ..... p 385 N95-26889 * #
NAS 1.71:LAR-14977-1 ..... p 253 N95-20763 * #
NAS 1.71:LAR-15129-1 ..... p 84 N95-14184 * #
NAS 1.71:MFS-28997-1 ..... p 402 N95-27501 * #

NASA-CASE-ARC-12000-1 ..... p 314 N95-23264 *

NASA-CASE-LAR-13888-1 ..... p 252 N95-20408 * #
NASA-CASE-LAR-13894-1 ..... p 385 N95-26889 * #
NASA-CASE-LAR-14977-1 ..... p 253 N95-20763 * #
NASA-CASE-LAR-15022-1 ..... p 312 N95-22579 *
NASA-CASE-LAR-15129-1 ..... p 84 N95-14184 * #

NASA-CASE-MFS-28610-1 ..... p 23 N95-11394 *
NASA-CASE-MFS-28997-1 ..... p 402 N95-27501 * #
NASA-CASE-MSC-21632-1 ..... p 313 N95-22766 *
NASA-CASE-MSC-22244-1 ..... p 357 N95-25306 *

NASA-CP-10071 ..... p 96 N95-14013 * #

NASA-CR-177646 ..... p 37 N95-11949 * #
NASA-CR-177647 ..... p 38 N95-12132 * #
NASA-CR-188368 ..... p 449 N95-28875 * #
NASA-CR-195812 ..... p 34 N95-13270 * #
NASA-CR-196154 ..... p 142 N95-16429 * #
NASA-CR-196160 ..... p 17 N95-11250 * #
NASA-CR-196279 ..... p 32 N95-12376 * #
NASA-CR-196280 ..... p 17 N95-10937 * #
NASA-CR-196385 ..... p 13 N95-10337 * #
NASA-CR-196428 ..... p 14 N95-11218 * #
NASA-CR-196430 ..... p 16 N95-10024 * #
NASA-CR-196478 ..... p 39 N95-13026 * #
NASA-CR-196594 ..... p 402 N95-27164 * #
NASA-CR-196602 ..... p 382 N95-27329 * #
NASA-CR-196696 ..... p 394 N95-28676 * #
NASA-CR-196774 ..... p 23 N95-11386 * #
NASA-CR-196780 ..... p 31 N95-11808 * #
NASA-CR-196845 ..... p 17 N95-11594 * #
NASA-CR-196846 ..... p 29 N95-12941 * #
NASA-CR-196848 ..... p 30 N95-13423 * #
NASA-CR-196849 ..... p 41 N95-13702 * #
NASA-CR-196877 ..... p 31 N95-11708 * #
NASA-CR-196946 ..... p 29 N95-12827 * #
NASA-CR-196983 ..... p 141 N95-16034 * #
NASA-CR-196984 ..... p 41 N95-13638 * #
NASA-CR-197041 ..... p 42 N95-14796 * #
NASA-CR-197051 ..... p 93 N95-14864 * #
NASA-CR-197098 ..... p 141 N95-15961 * #
NASA-CR-197156 ..... p 38 N95-12629 * #
NASA-CR-197163 ..... p 38 N95-12361 * #
NASA-CR-197178 ..... p 38 N95-12555 * #
NASA-CR-197198 ..... p 103 N95-14854 * #
NASA-CR-197298 ..... p 247 N95-21529 * #
NASA-CR-197367 ..... p 246 N95-20559 * #
NASA-CR-197379 ..... p 313 N95-22797 * #
NASA-CR-197401 ..... p 266 N95-21866 * #
NASA-CR-197486 ..... p 176 N95-16418 * #
NASA-CR-197521 ..... p 179 N95-16894 * #
NASA-CR-197618 ..... p 306 N95-22801 * #
NASA-CR-197657 ..... p 471 N95-29180 *
NASA-CR-197658 ..... p 432 N95-30292 *
NASA-CR-197709 ..... p 353 N95-24556 * #
NASA-CR-197845 ..... p 393 N95-27697 * #
NASA-CR-197916 ..... p 307 N95-22911 * #
NASA-CR-197930 ..... p 314 N95-23474 * #
NASA-CR-197975 ..... p 345 N95-24475 * #
NASA-CR-197980 ..... p 379 N95-26727 * #
NASA-CR-197990 ..... p 310 N95-24047 * #
NASA-CR-198010 ..... p 353 N95-24564 * #
NASA-CR-198048 ..... p 352 N95-24410 * #
NASA-CR-198575 ..... p 451 N95-29158 * #
NASA-CR-198599 ..... p 382 N95-28177 * #
NASA-CR-198979 ..... p 524 N95-31134 * #
NASA-CR-199009 ..... p 540 N95-34764 * #
NASA-CR-199125 ..... p 536 N95-32688 * #
NASA-CR-4669 ..... p 393 N95-28253 * #

NASA-EG-101 ..... p 96 N95-13888 * #

NASA-SP-7011(393) ..... p 17 N95-11405 *
NASA-SP-7011(394) ..... p 34 N95-13230 *
NASA-SP-7011(395) ..... p 91 N95-15304 *
NASA-SP-7011(396) ..... p 158 N95-17703 *
NASA-SP-7011(397) ..... p 210 N95-19746 *
NASA-SP-7011(398) ..... p 160 N95-19239 *
NASA-SP-7011(399) ..... p 256 N95-21947 *
NASA-SP-7011(400) ..... p 352 N95-24464 *
NASA-SP-7011(401) ..... p 354 N95-25800 *
NASA-SP-7011(402) ..... p 387 N95-27502 *
NASA-SP-7011(403) ..... p 451 N95-29190 *

NASA-TM-104802 ..... p 36 N95-11878 * #
NASA-TM-104808 ..... p 356 N95-24627 * #
NASA-TM-106309 ..... p 309 N95-23177 * #
NASA-TM-108463 ..... p 22 N95-11195 * #
NASA-TM-108473 ..... p 181 N95-19061 * #
NASA-TM-108488 ..... p 400 N95-26364 * #
NASA-TM-108802-VOL-1 ..... p 187 N95-18569 * #
NASA-TM-108812 ..... p 13 N95-10863 * #
NASA-TM-108825 ..... p 28 N95-11810 * #
NASA-TM-108830 ..... p 13 N95-10828 * #
NASA-TM-108836 ..... p 13 N95-10826 * #
NASA-TM-108838 ..... p 16 N95-10861 * #
NASA-TM-108839 ..... p 33 N95-12792 * #
NASA-TM-108840 ..... p 83 N95-13661 * #
NASA-TM-108846 ..... p 37 N95-11905 * #
NASA-TM-108856 ..... p 91 N95-15649 * #
NASA-TM-108861 ..... p 144 N95-18734 * #
NASA-TM-109245 ..... p 16 N95-10551 *
NASA-TM-109873 ..... p 16 N95-10550 *
NASA-TM-109923 ..... p 16 N95-10562 *

NASA-TM-109827 ..... p 314 N95-23194 * #
NASA-TM-110497 ..... p 346 N95-24531 * #
NASA-TM-110536 ..... p 314 N95-23274 *
NASA-TM-110654 ..... p 431 N95-29375 * #
NASA-TM-110655 ..... p 527 N95-32719 * #
NASA-TM-110741 ..... p 492 N95-30846 * #
NASA-TM-4581 ..... p 28 N95-12006 * #
NASA-TM-4650 ..... p 144 N95-19140 * #
NASA-TM-4657 ..... p 248 N95-21544 * #
NASA-TM-4684 ..... p 474 N95-28818 * #
NASA-TM-4685 ..... p 474 N95-28722 * #

NASA-TP-3479 ..... p 148 N95-16412 * #
NASA-TP-3489 ..... p 32 N95-11887 * #
NASA-TP-3500 ..... p 36 N95-11811 * #
NASA-TP-3511 ..... p 180 N95-18189 * #

NATICK/TR-94/019 ..... p 309 N95-23251
NATICK/TR-95/002 ..... p 267 N95-22274 #
NATICK/TR-95/006 ..... p 403 N95-28390
NATICK/TR-95/016 ..... p 470 N95-28794 #

NAVY-CASE-75646 ..... p 471 N95-29600

NAWCADWAR-93073-60 ..... p 266 N95-21691 #
NAWCADWAR-94139-60 ..... p 470 N95-28970 #
NAWCADWAR-94140-60 ..... p 470 N95-28969 #

NBDL-93R010 ..... p 470 N95-28935

NCCOSC/RDT/E-TR-1658 ..... p 265 N95-20768 #

NCTRF-204 ..... p 400 N95-26736

NDU-ICAF-94-F26 ..... p 393 N95-27181

NHRC-TD-93-1A ..... p 145 N95-16105 #

NHRC-93-33 ..... p 146 N95-16152 #
NHRC-93-36 ..... p 22 N95-10918
NHRC-94-17 ..... p 149 N95-16619 #
NHRC-94-20 ..... p 452 N95-29236 #
NHRC-94-23 ..... p 453 N95-29995 #
NHRC-94-27 ..... p 492 N95-30563 #
NHRC-94-28 ..... p 453 N95-29846 #
NHRC-94-30 ..... p 454 N95-30083 #
NHRC-94-7 ..... p 255 N95-21160 #
NHRC-94-9 ..... p 20 N95-11421 #

NIAR-94-16 ..... p 316 N95-24021 #

NIRS-32 ..... p 347 N95-25902 #

NISTIR-5411 ..... p 37 N95-11908 #

NLM/OD-94/01 ..... p 158 N95-17949 #

NMRI-94-21 ..... p 257 N95-22003 #
NMRI-94-36 ..... p 385 N95-26885

NONP-NASA-VT-94-23142 ..... p 16 N95-10550 *
NONP-NASA-VT-94-23143 ..... p 16 N95-10551 *
NONP-NASA-VT-94-23165 ..... p 16 N95-10562 *
NONP-NASA-VT-95-43939 ..... p 314 N95-23274 *
NONP-NASA-VT-95-46004 ..... p 471 N95-29180 *
NONP-NASA-VT-95-46006 ..... p 432 N95-30292 *

NPRDC-TN-95-3 ..... p 534 N95-34356 #

NPS-OR-94-014 ..... p 383 N95-26519

NRAD-TR-1659 ..... p 471 N95-29359 #

NREL/TP-421-6331 ..... p 246 N95-20471 #

NRL/MR/5530-94-7488 ..... p 104 N95-15449

NRL/PU/6000-94-252 ..... p 208 N95-19536 #

NSWCDD/TR-94/76 ..... p 492 N95-30981 #

ORNL/TM-12789 ..... p 160 N95-19244 #
ORNL/TM-12849 ..... p 346 N95-24843 #

PB94-174489 ..... p 16 N95-10221 #
PB94-177797 ..... p 85 N95-14394 #
PB94-179231 ..... p 19 N95-10236
PB94-182748 ..... p 30 N95-13176 #
PB94-182854 ..... p 142 N95-16801
PB94-187739 ..... p 37 N95-11908 #
PB94-188026 ..... p 158 N95-17949 #
PB94-188034 ..... p 158 N95-17950 #
PB94-190642 ..... p 34 N95-11872
PB94-190659 ..... p 36 N95-11873
PB94-190683 ..... p 157 N95-17300
PB94-191343 ..... p 28 N95-11902 #
PB94-191376 ..... p 36 N95-11778 #
PB94-197761 ..... p 179 N95-16953 #
PB94-197977 ..... p 41 N95-13990
PB94-197985 ..... p 179 N95-17488
PB94-205065 ..... p 36 N95-13433
PB94-206844 ..... p 30 N95-13408 #
PB94-206885 ..... p 254 N95-21016
PB94-215597 ..... p 181 N95-19412
PB95-104402 ..... p 254 N95-20971 #
PB95-107819 ..... p 255 N95-21028
PB95-107850 ..... p 245 N95-20208 #
PB95-108015 ..... p 256 N95-21580
PB95-127114 ..... p 258 N95-22371 #
PB95-127205 ..... p 258 N95-22476 #
PB95-127643 ..... p 255 N95-21348 #
PB95-127783 ..... p 247 N95-21112 #
PB95-129672 ..... p 264 N95-20276
PB95-130389 ..... p 255 N95-21424
PB95-131330 ..... p 258 N95-22361
PB95-131587 ..... p 351 N95-24310
PB95-131629 ..... p 265 N95-21467
PB95-132767 ..... p 257 N95-22083
PB95-132858 ..... p 265 N95-21283
PB95-132874 ..... p 252 N95-21284
PB95-133732 ..... p 248 N95-21884 #
PB95-135398 ..... p 255 N95-21352 #
PB95-135521 ..... p 311 N95-22770
PB95-135628 ..... p 254 N95-21007
PB95-141495 ..... p 353 N95-24863
PB95-141560 ..... p 351 N95-24227
PB95-141891 ..... p 355 N95-24510
PB95-141925 ..... p 355 N95-24864
PB95-165726 ..... p 354 N95-25570 #
PB95-184941 ..... p 392 N95-26909
PB95-195285 ..... p 491 N95-30511
PB95-195293 ..... p 487 N95-30512
PB95-195301 ..... p 491 N95-30513
PB95-195319 ..... p 487 N95-30515
PB95-196362 ..... p 403 N95-28659
PB95-196440 ..... p 524 N95-30522
PB95-196556 ..... p 487 N95-30665
PB95-208310 ..... p 531 N95-32611
PB95-208328 ..... p 491 N95-30494
PB95-212114 ..... p 530 N95-33232 #
PB95-214557 ..... p 530 N95-33236 #
PB95-214722 ..... p 537 N95-33237 #
PB95-236105 ..... p 540 N95-34658

PL-TR-94-2211 ..... p 392 N95-26992

PNL-SA-24267 ..... p 143 N95-18371 #
PNL-SA-24337 ..... p 29 N95-12677 #
PNL-SA-24930 ..... p 347 N95-26169 #
PNL-SA-24931 ..... p 311 N95-24145 #

R/D-6720-EN-01 ..... p 95 N95-15816

REPT-003 ..... p 263 N95-22472 #
REPT-10-21-RR194-207 ..... p 492 N95-30924 #
REPT-115-36-8515 ..... p 31 N95-11808 * #
REPT-4-20-95 ..... p 451 N95-29158 * #
REPT-5-27959 ..... p 456 N95-29422 #
REPT-63619-93U/P60099-VOL-1 ..... p 265 N95-21566 #
REPT-8025-1A-PT-2 ..... p 35 N95-13020 #
REPT-8025-3C-PT-3 ..... p 92 N95-13715 #
REPT-8025-4B ..... p 35 N95-13199 #
REPT-94-01 ..... p 455 N95-28918 #

RIVM-731054001 ..... p 248 N95-21884 #

RL-TR-94-53 ..... p 33 N95-12919

RN-8025-1A-PT-2 ..... p 257 N95-22040 #
RN-8025-3C(R2)-PT-3 ..... p 161 N95-19384 #
RN-8025-4B-PT-4 ..... p 161 N95-19385 #

RR-94-2-ONR ..... p 456 N95-29432 #

R01-1069-25-001-95 ..... p 355 N95-26010

S-775 ..... p 32 N95-11887 * #
S-779 ..... p 36 N95-11878 * #
S-781 ..... p 36 N95-11811 * #
S-784 ..... p 180 N95-18189 * #
S-791 ..... p 356 N95-24627 * #

SAE PAPER 932050 ..... p 466 A95-91631
SAE PAPER 932060 ..... p 466 A95-91639
SAE PAPER 932061 ..... p 466 A95-91640
SAE PAPER 932062 ..... p 466 A95-91641 *
SAE PAPER 932064 ..... p 467 A95-91642 *
SAE PAPER 932065 ..... p 467 A95-91643 *
SAE PAPER 932066 ..... p 467 A95-91644
SAE PAPER 932067 ..... p 467 A95-91645
SAE PAPER 932068 ..... p 455 A95-91646
SAE PAPER 932071 ..... p 467 A95-91649
SAE PAPER 932072 ..... p 467 A95-91650
SAE PAPER 932073 ..... p 468 A95-91651 *
SAE PAPER 932074 ..... p 468 A95-91652 *
SAE PAPER 932075 ..... p 468 A95-91653
SAE PAPER 932076 ..... p 468 A95-91654
SAE PAPER 932077 ..... p 468 A95-91655
SAE PAPER 932088 ..... p 469 A95-91662 *
SAE PAPER 932089 ..... p 469 A95-91663 *
SAE PAPER 932091 ..... p 459 A95-90338 *
SAE PAPER 932092 ..... p 460 A95-90339 *
SAE PAPER 932096 ..... p 460 A95-90340 *
SAE PAPER 932097 ..... p 460 A95-90341
SAE PAPER 932098 ..... p 460 A95-90342
SAE PAPER 932099 ..... p 460 A95-90343
SAE PAPER 932100 ..... p 460 A95-90344
SAE PAPER 932101 ..... p 461 A95-90345
SAE PAPER 932103 ..... p 461 A95-90347
SAE PAPER 932104 ..... p 461 A95-90348
SAE PAPER 932107 ..... p 461 A95-90350
SAE PAPER 932108 ..... p 461 A95-90351
SAE PAPER 932112 ..... p 462 A95-90353 *
SAE PAPER 932113 ..... p 462 A95-90354
SAE PAPER 932114 ..... p 462 A95-90355 *
SAE PAPER 932115 ..... p 462 A95-90356 *
SAE PAPER 932124 ..... p 462 A95-90365 *
SAE PAPER 932125 ..... p 462 A95-90366
SAE PAPER 932126 ..... p 463 A95-90367
SAE PAPER 932127 ..... p 463 A95-90368
SAE PAPER 932128 ..... p 463 A95-90369 *
SAE PAPER 932129 ..... p 463 A95-90370
SAE PAPER 932130 ..... p 463 A95-90371 *
SAE PAPER 932135 ..... p 443 A95-90376
SAE PAPER 932139 ..... p 443 A95-90379 *
SAE PAPER 932140 ..... p 443 A95-90380 *
SAE PAPER 932142 ..... p 443 A95-90381 *
SAE PAPER 932144 ..... p 443 A95-90383 *
SAE PAPER 932145 ..... p 463 A95-90384 *
SAE PAPER 932147 ..... p 464 A95-90386
SAE PAPER 932161 ..... p 464 A95-90396 *
SAE PAPER 932162 ..... p 464 A95-90397
SAE PAPER 932163 ..... p 464 A95-90398
SAE PAPER 932164 ..... p 464 A95-90399 *
SAE PAPER 932167 ..... p 465 A95-90402
SAE PAPER 932168 ..... p 465 A95-90403
SAE PAPER 932169 ..... p 465 A95-90404
SAE PAPER 941450 ..... p 459 A95-89096 *
SAE PAPER 941452 ..... p 459 A95-89094 *
SAE PAPER 941488 ..... p 459 A95-89095 *
SAE PAPER 941542 ..... p 458 A95-89092 *
SAE PAPER 941545 ..... p 423 A95-89093 *

SAE PAPERS 932165 ..... p 464 A95-90400 *

SAE-TP-941488 ..... p 22 A95-80150 *

SAND-94-1354C ..... p 267 N95-22466 #
SAND-94-2548C ..... p 266 N95-21721 #

STF15-S94002 ..... p 403 N95-28659
STF23-A94031 ..... p 487 N95-30665
STF75-A93065 ..... p 181 N95-19412
STF75-S93007 ..... p 524 N95-30522

SU-SLAC-448 ..... p 307 N95-22897 #

TARDEC-TR-13660 ..... p 471 N95-29378 #

TDCK-TD94-0076 ..... p 357 N95-25610

TDCK-93-2783 ..... p 210 N95-19537 #
TDCK-94-0043 ..... p 212 N95-19583 #
TDCK-94-0045 ..... p 172 N95-16822 #
TDCK-94-0048 ..... p 178 N95-16821 #
TDCK-94-0049 ..... p 170 N95-16615 #
TDCK-94-0052 ..... p 262 N95-20609 #
TDCK-94-0053 ..... p 172 N95-16817 #
TDCK-94-0055 ..... p 212 N95-19538 #
TDCK-94-0063 ..... p 172 N95-16835 #

TKK-F-A727 ..... p 258 N95-22371 #
TKK-F-A729 ..... p 255 N95-21348 #

TKK-F-B151 ..... p 254 N95-20971 #

TNO-TM-1994-B-10 ..... p 262 N95-20609 #
TNO-TM-1994-B-11 ..... p 172 N95-16817 #
TNO-TM-1994-B-12 ..... p 212 N95-19538 #
TNO-TM-1994-B-13 ..... p 172 N95-16835 #
TNO-TM-1994-B-14 ..... p 357 N95-25610
TNO-TM-1994-B-6 ..... p 172 N95-16822 #
TNO-TM-1994-B-8 ..... p 178 N95-16821 #

TR-014-1995 ..... p 487 N95-30452
TR-492-REV ..... p 95 N95-15787 #
TR-4 ..... p 146 N95-16112 #
TR-502 ..... p 94 N95-15642 #

TR-510-REV ..... p 94 N95-15588 #
TR-597 ..... p 540 N95-34616 #
TR-59 ..... p 263 N95-22052 #
TR-7 ..... p 534 N95-34609 #
TR-94/ONR-EPIC-2 ..... p 83 N95-14142 #

TRITA-MAT-94-43 ..... p 530 N95-33232 #

TRS-480 ..... p 36 N95-13433
TRS-504 ..... p 540 N95-34658

UCRL-CR-119401 ..... p 536 N95-32535 #

UCRL-ID-118340 ..... p 393 N95-28176 #
UCRL-ID-118487 ..... p 311 N95-23142 #

UCRL-JC-116074 ..... p 95 N95-13671 #
UCRL-JC-117547 ..... p 265 N95-21358 #
UCRL-JC-117548 ..... p 266 N95-21637 #
UCRL-JC-117666 ..... p 382 N95-27725 #
UCRL-JC-119529 ..... p 487 N95-32358 #
UCRL-JC-119773 ..... p 494 N95-32097 #
UCRL-JC-120215 ..... p 530 N95-33654 #

US-PATENT-APPL-SN-029808 ..... p 312 N95-22579 *
US-PATENT-APPL-SN-061401 ..... p 314 N95-23264 *
US-PATENT-APPL-SN-066274 ..... p 357 N95-25306 *
US-PATENT-APPL-SN-104682 ..... p 524 N95-30552
US-PATENT-APPL-SN-195500 ..... p 252 N95-20408 * #
US-PATENT-APPL-SN-226517 ..... p 267 N95-22099 #
US-PATENT-APPL-SN-243665 ..... p 253 N95-20763 * #
US-PATENT-APPL-SN-297474 ..... p 385 N95-26889 * #
US-PATENT-APPL-SN-316709 ..... p 471 N95-29600
US-PATENT-APPL-SN-323943 ..... p 84 N95-14184 * #
US-PATENT-APPL-SN-422961 ..... p 402 N95-27501 * #
US-PATENT-APPL-SN-929556 ..... p 313 N95-22766 *
US-PATENT-APPL-SN-970203 ..... p 23 N95-11394 *

US-PATENT-CLASS-244-158R .... p 357 N95-25306 *
US-PATENT-CLASS-247-DIG.10 . p 23 N95-11394 *
US-PATENT-CLASS-247-330 ..... p 23 N95-11394 *
US-PATENT-CLASS-264-130 ..... p 313 N95-22766 *
US-PATENT-CLASS-264-135 ..... p 313 N95-22766 *
US-PATENT-CLASS-264-137 ..... p 313 N95-22766 *
US-PATENT-CLASS-264-257 ..... p 313 N95-22766 *
US-PATENT-CLASS-280 ..... p 524 N95-30552
US-PATENT-CLASS-294-1.1 ..... p 357 N95-25306 *
US-PATENT-CLASS-294-19.1 ..... p 357 N95-25306 *
US-PATENT-CLASS-297-334 ..... p 23 N95-11394 *
US-PATENT-CLASS-364-410 ..... p 312 N95-22579 *
US-PATENT-CLASS-482-111 ..... p 314 N95-23264 *
US-PATENT-CLASS-601-23 ..... p 314 N95-23264 *

US-PATENT-5,333,931 ..... p 23 N95-11394 *
US-PATENT-5,356,361 ..... p 314 N95-23264 *
US-PATENT-5,362,098 ..... p 524 N95-30552
US-PATENT-5,377,100 ..... p 312 N95-22579 *
US-PATENT-5,384,083 ..... p 313 N95-22766 *
US-PATENT-5,401,069 ..... p 357 N95-25306 *

USAARL-CR-94-1 ..... p 180 N95-18077

USAARL-94-16 ..... p 263 N95-21927
USAARL-94-22 ..... p 32 N95-12406 #
USAARL-94-26 ..... p 92 N95-15767
USAARL-94-26 ..... p 212 N95-19564 #
USAARL-94-30 ..... p 39 N95-13055
USAARL-94-31 ..... p 33 N95-13054
USAARL-94-32 ..... p 179 N95-17484 #
USAARL-94-33 ..... p 176 N95-16145 #
USAARL-94-35 ..... p 146 N95-16132 #
USAARL-94-36 ..... p 92 N95-15810
USAARL-94-40 ..... p 170 N95-16520 #
USAARL-94-41-VOL-1 ..... p 176 N95-16147 #
USAARL-94-46 ..... p 267 N95-22045 #
USAARL-94-48 ..... p 449 N95-28941
USAARL-95-10 ..... p 539 N95-34378 #
USAARL-95-11 ..... p 403 N95-28667
USAARL-95-12 ..... p 456 N95-29434 #
USAARL-95-14 ..... p 511 N95-31140 #
USAARL-95-17 ..... p 539 N95-34492 #
USAARL-95-20 ..... p 539 N95-34489 #
USAARL-95-5 ..... p 450 N95-29141 #
USAARL-95-7 ..... p 449 N95-28940
USAARL-95-9 ..... p 539 N95-34574 #

USAATCOM-TR-94-D-11 ..... p 265 N95-20973 #

USAMRICD-TR-93-04 ..... p 143 N95-17666
USAMRICD-TR-94-02 ..... p 148 N95-16491 #

USAMRMC-T95-10 ..... p 538 N95-34370 #
USAMRMC-T95-4 ..... p 453 N95-29757 #

USARIEM-T-2/95 ..... p 400 N95-26558

USARIEM-TN-95-5 ..... p 539 N95-34577 #

USARIEM-TN95-2 ..... p 257 N95-22004 #

USARIEM-TR-94-18 ..... p 147 N95-16228 #

USARIEM-T94-13 ..... p 211 N95-19811
USARIEM-T94-16 ..... p 157 N95-16809 #

USCG-D-23-94 ..... p 401 N95-27058

USCG-R/DC-27/94 ..... p 401 N95-27058

USNA-TSPR-216 ..... p 92 N95-15757 #

UTHSCSA-OPH-94-01 ..... p 157 N95-16871 #
UTHSCSA-OPH-94-01 ..... p 253 N95-20848 #

VTT/PUB-179 ..... p 264 N95-20276
VTT/PUB-180 ..... p 254 N95-21007

VTT/SYMPOSIUM-146 ..... p 262 N95-21284

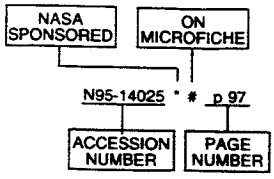
WHOI-7800-35/8687-1 ..... p 430 N95-28685

WL-TR-94-4099 ..... p 470 N95-29020 #

WRAIR-TR-94-0019 ..... p 263 N95-22324 #
WRAIR-TR-94-0020 ..... p 263 N95-22323 #

WSU/ATR/662480 ..... p 262 N95-21192 #

Typical Accession Number Index Listing



Listings in this index are arranged alphanumerically by accession number. The page number indicates the page on which the citation is located. The accession number denotes the number by which the citation is identified. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

A95-60105 * p 18
A95-60116 * p 18
A95-60122 * p 18
A95-60124 p 19
A95-60127 * p 19
A95-60141 * p 1
A95-60150 * p 22
A95-60153 * p 1
A95-60154 * p 1
A95-60632 * p 1
A95-60633 * p 2
A95-60634 p 2
A95-60635 p 2
A95-60636 p 2
A95-60637 p 2
A95-60638 * p 3
A95-60639 * p 3
A95-60640 p 3
A95-60641 p 3
A95-60642 p 4
A95-60643 p 4
A95-60644 * p 4
A95-60645 * p 4
A95-60646 p 4
A95-60647 p 5
A95-60648 p 5
A95-60649 p 5
A95-60650 p 5
A95-60651 p 5
A95-60652 * p 5
A95-60653 * p 6
A95-60654 p 6
A95-60655 p 6
A95-60656 p 6
A95-60657 * p 6
A95-60658 p 6
A95-60659 * p 7
A95-60660 * p 7
A95-60661 * p 7
A95-60662 p 8
A95-60663 p 8
A95-60664 p 8
A95-60665 p 8
A95-60666 p 8
A95-60667 p 9
A95-60668 p 9
A95-60669 * p 9
A95-60670 * p 9
A95-60671 p 10
A95-60672 * p 10
A95-60673 p 10
A95-60674 p 14
A95-60675 p 10
A95-60676 p 14
A95-60677 p 11
A95-60678 * p 15
A95-60679 p 11
A95-60680 p 15
A95-60681 * p 15
A95-60682 * p 11
A95-60683 p 15
A95-60684 p 15
A95-60685 p 11
A95-60686 p 15
A95-60687 * p 12
A95-60688 p 12
A95-60689 * p 12
A95-60690 * p 12
A95-60691 p 12
A95-60859 p 27
A95-60860 p 27
A95-60861 p 27
A95-61564 p 27
A95-61903 p 46
A95-61904 p 46
A95-61905 p 46
A95-61906 p 46
A95-61907 p 47
A95-61908 p 47
A95-61909 p 47
A95-61910 * p 48
A95-61911 p 48
A95-61912 p 48
A95-61913 p 48
A95-61914 p 48
A95-61915 p 49
A95-61916 p 49
A95-61917 p 49
A95-61918 p 50
A95-61919 p 50
A95-61920 p 50
A95-61921 p 50
A95-61922 p 51
A95-61923 p 51
A95-61924 p 51
A95-61925 p 51
A95-61926 p 51
A95-61927 p 52
A95-61928 p 52
A95-61929 p 52
A95-61930 p 52
A95-61931 p 53
A95-61932 p 53
A95-61933 * p 53
A95-61934 p 53
A95-61935 * p 54
A95-61936 p 54
A95-61937 p 54
A95-61938 p 55
A95-61939 p 55
A95-61940 p 55
A95-61941 * p 55
A95-61942 p 56
A95-61943 p 56
A95-61944 p 56
A95-61945 p 57
A95-61946 p 57
A95-61947 p 57
A95-61948 p 57
A95-61949 p 58
A95-61950 p 58
A95-61951 p 58
A95-61952 p 58
A95-61953 * p 59
A95-61954 p 59
A95-61955 p 59
A95-61956 p 59
A95-61957 p 59
A95-61958 p 60
A95-61959 p 60
A95-61960 p 60
A95-61961 p 60
A95-61962 p 61
A95-61963 p 61
A95-61964 p 61
A95-61965 p 61
A95-61966 p 62
A95-61967 p 62
A95-61968 p 62
A95-61969 p 62
A95-61970 p 63
A95-61971 p 63
A95-61972 p 63
A95-61973 p 63
A95-61974 p 64
A95-61975 p 64
A95-61976 p 64
A95-61977 p 64
A95-61978 p 64
A95-61979 p 65
A95-61980 p 65
A95-61981 p 65
A95-61982 p 66
A95-61983 p 66
A95-61984 p 66
A95-62137 p 66
A95-62138 p 67
A95-62139 p 67
A95-62140 p 67
A95-62141 p 68
A95-62142 p 68
A95-62143 p 68
A95-62144 p 68
A95-62145 p 68
A95-62146 p 69
A95-62147 p 69
A95-62148 p 69
A95-62149 p 69
A95-62150 p 70
A95-62151 p 70
A95-62152 p 70
A95-62153 p 70
A95-62154 p 71
A95-62155 p 71
A95-62156 p 71
A95-62157 p 71
A95-62158 p 72
A95-62159 p 72
A95-62160 p 72
A95-62161 p 72
A95-62162 p 73
A95-62163 p 73
A95-62164 p 73
A95-62165 p 74
A95-62166 p 74
A95-62167 p 74
A95-62168 p 74
A95-62226 p 75
A95-62513 p 75
A95-62514 p 75
A95-62515 * p 75
A95-62516 p 75
A95-62517 p 76
A95-62518 p 76
A95-62519 p 76
A95-62520 p 76
A95-62521 p 77
A95-62522 p 77
A95-62523 p 77
A95-62524 p 77
A95-62525 p 78
A95-62526 p 78
A95-62527 p 78
A95-62528 p 78
A95-62529 p 79
A95-62530 p 79
A95-62531 p 79
A95-62532 p 79
A95-62533 p 80
A95-62534 p 80
A95-62535 p 80
A95-62536 p 80
A95-62537 p 81
A95-62538 p 92
A95-62539 p 81
A95-62540 * p 81
A95-62541 p 81
A95-62542 p 81
A95-62543 p 82
A95-62544 p 82
A95-62822 p 41
A95-62823 p 82
A95-62824 p 82
A95-63320 p 181
A95-63321 p 105
A95-63436 * p 181
A95-63438 * p 182
A95-63478 p 105
A95-63479 p 105
A95-63569 p 105
A95-63744 * p 105
A95-63745 * p 106
A95-63746 p 106
A95-63747 p 106
A95-63748 p 106
A95-63749 p 106
A95-63750 p 182
A95-63751 p 182
A95-63752 p 182
A95-63753 p 183
A95-63754 p 183
A95-63755 p 183
A95-63756 p 183
A95-63757 * p 106
A95-63758 p 107
A95-63759 * p 107
A95-63760 p 107
A95-63761 p 107
A95-63762 p 107
A95-63763 p 108
A95-63764 p 108
A95-63765 * p 108
A95-63766 * p 108
A95-63767 p 108
A95-63768 p 109
A95-63769 p 109
A95-63770 p 109
A95-63771 p 109
A95-63772 p 109
A95-63773 * p 110
A95-63774 * p 110
A95-63775 p 184
A95-63776 p 110
A95-63777 p 110
A95-63778 p 110
A95-63779 p 110
A95-63780 p 111
A95-63781 p 111
A95-63782 p 111
A95-63783 p 111
A95-63784 p 111
A95-63785 p 112
A95-63786 p 112
A95-63787 p 112
A95-63788 p 112
A95-63789 p 112
A95-63790 p 113
A95-63791 p 113
A95-63792 p 113
A95-63793 p 113
A95-63794 p 113
A95-63795 p 113
A95-63796 p 114
A95-63797 p 114
A95-63798 p 114
A95-63799 p 114
A95-63800 * p 114
A95-63801 p 114
A95-63802 * p 115
A95-63803 p 115
A95-63804 p 115
A95-63805 p 115
A95-63806 p 115
A95-63807 p 116
A95-63808 * p 116
A95-63809 p 116
A95-63810 p 116
A95-63811 p 117
A95-63812 p 117
A95-63813 p 117
A95-63814 p 117
A95-63815 p 117
A95-63816 * p 118
A95-63817 * p 118
A95-63818 p 118
A95-63819 p 118
A95-63820 p 118
A95-63821 p 119
A95-63822 p 119
A95-63823 p 119
A95-63824 p 119
A95-63825 p 119
A95-63826 p 120
A95-63827 p 120
A95-63828 p 120
A95-63829 p 120
A95-63830 p 120
A95-63831 p 121
A95-63832 p 121
A95-63833 p 121
A95-63834 * p 121
A95-63835 p 121
A95-63836 p 122
A95-63837 p 122
A95-63838 p 122
A95-63839 p 122
A95-63840 p 123
A95-63841 p 123
A95-63842 p 123
A95-63843 p 123
A95-63844 p 123
A95-63845 p 124
A95-63846 p 124
A95-63847 p 124
A95-63848 * p 125
A95-63849 p 125
A95-63850 p 125
A95-63851 p 125
A95-63852 p 125
A95-63853 p 126
A95-63854 p 126
A95-63855 p 126
A95-63856 p 126
A95-63857 p 127
A95-63858 p 127
A95-63859 p 184
A95-63860 p 184
A95-63861 p 127
A95-63862 * p 128
A95-63863 p 128
A95-63864 p 128
A95-63865 p 128
A95-63866 p 129
A95-63867 p 129
A95-63868 p 129
A95-63869 p 129
A95-63870 p 130
A95-63871 p 130
A95-63872 p 130

A95-63873 p 130
A95-63874 p 131
A95-63875 p 131
A95-63876 p 131
A95-63877 p 131
A95-63878 p 132
A95-63879 p 132
A95-63880 p 132
A95-63881 p 132
A95-63882 p 133
A95-63883 p 133
A95-63884 p 133
A95-63885 p 133
A95-63886 p 134
A95-63887 p 134
A95-63888 p 134
A95-63889 p 134
A95-63890 * p 184
A95-63891 * p 185
A95-63892 * p 185
A95-63893 * p 185
A95-63894 p 135
A95-63895 p 135
A95-63896 * p 135
A95-63897 * p 135
A95-63898 p 145
A95-63899 p 185
A95-63900 * p 186
A95-63901 * p 186
A95-63904 p 136
A95-63905 p 136
A95-63906 p 136
A95-63907 p 136
A95-63908 p 137
A95-63909 p 137
A95-63910 p 137
A95-63911 p 137
A95-63912 p 138
A95-63913 p 138
A95-63914 p 138
A95-63915 * p 138
A95-63916 p 138
A95-63917 p 139
A95-63918 p 139
A95-63919 p 139
A95-63920 p 139
A95-63921 p 139
A95-63922 p 139
A95-63923 p 186
A95-63924 p 140
A95-63925 p 140
A95-63926 p 140
A95-64050 p 140
A95-64051 p 140
A95-64053 p 140
A95-64054 p 140
A95-64055 * p 141
A95-64056 p 141
A95-64205 p 175
A95-64529 p 141
A95-65124 p 145
A95-65203 p 145
A95-65315 p 141
A95-65503 * p 168
A95-65618 p 186
A95-65619 p 186
A95-65620 p 187
A95-65778 p 187
A95-65873 p 209
A95-65904 p 209
A95-65949 p 209
A95-65976 p 209
A95-66751 * p 214
A95-66752 p 214
A95-66753 p 189
A95-66754 * p 189
A95-66755 * p 189
A95-66757 p 189
A95-66758 p 190
A95-66759 p 190
A95-66760 p 190
A95-66761 * p 190
A95-66762 * p 190
A95-66763 * p 190
A95-66764 p 214
A95-66765 p 191
A95-66766 p 214
A95-66767 p 191
A95-66768 * p 215
A95-66769 p 191
A95-66770 * p 215
A95-66771 * p 215
A95-66772 * p 215
A95-66773 * p 215
A95-66774 p 216
A95-66775 p 216
A95-66776 * p 216
A95-66777 * p 191
A95-66778 p 192
A95-66779 p 192
A95-66780 p 192
A95-66781 * p 192
A95-66782 p 216
A95-66783 p 192
A95-66784 p 193
A95-66785 p 216
A95-66786 * p 217
A95-66787 p 217
A95-66788 p 217
A95-66789 p 217
A95-66792 p 217
A95-66793 * p 193
A95-66794 * p 193
A95-66795 p 218
A95-66796 p 218
A95-66797 * p 193
A95-66798 * p 193
A95-66799 p 194
A95-66800 p 194
A95-66801 p 218
A95-66802 * p 194
A95-66803 p 218
A95-66804 * p 194
A95-66805 * p 195
A95-66806 p 218
A95-66807 p 195
A95-67426 p 195
A95-68263 p 213
A95-68265 p 213
A95-68268 * p 209
A95-68277 p 213
A95-68352 p 213
A95-68775 p 195
A95-68885 p 195
A95-68886 p 196
A95-68887 p 196
A95-68888 p 196
A95-68889 p 196
A95-68890 p 197
A95-68891 p 197
A95-68892 p 197
A95-68893 p 197
A95-68894 p 198
A95-68895 p 198
A95-68896 * p 198
A95-68897 p 198
A95-68898 p 199
A95-68899 p 199
A95-68900 p 199
A95-68901 p 199
A95-68902 p 200
A95-68903 p 200
A95-68904 p 200
A95-68905 p 200
A95-68906 p 201
A95-68907 p 201
A95-68908 p 201
A95-68909 p 201
A95-68910 p 201
A95-68911 p 202
A95-68912 p 202
A95-68913 p 202
A95-68914 p 202
A95-68915 p 203
A95-68916 p 203
A95-68917 p 203
A95-68918 p 203
A95-68919 p 204
A95-68920 p 204
A95-68921 p 204
A95-68922 p 204
A95-68923 p 205
A95-68924 p 205
A95-68925 p 205
A95-68926 p 205
A95-68927 p 205
A95-68928 p 206
A95-68929 p 206
A95-68930 p 206
A95-68931 p 206
A95-68932 p 207
A95-68933 p 207
A95-68934 p 207
A95-68935 p 207
A95-68936 p 208
A95-68937 p 208
A95-68938 p 208
A95-69223 p 213
A95-69742 * p 211
A95-69743 p 211
A95-69744 p 211
A95-69745 * p 212
A95-69746 p 209
A95-71120 p 268
A95-71121 * p 268
A95-71162 * p 268
A95-71340 p 250
A95-71341 p 250
A95-71342 p 250
A95-71475 p 219
A95-71476 p 219
A95-71477 p 219
A95-71478 p 220
A95-71479 p 220
A95-71480 p 220
A95-71481 p 220
A95-71482 p 220
A95-71483 p 221
A95-71484 p 221
A95-71485 p 221
A95-71486 p 221
A95-71487 p 222
A95-71488 p 222
A95-71489 p 222
A95-71490 p 222
A95-71491 p 222
A95-71492 p 223
A95-71493 p 223
A95-71494 p 223
A95-71495 p 223
A95-71496 p 224
A95-71497 * p 224
A95-71498 p 224
A95-71499 p 224
A95-71500 p 225
A95-71501 p 225
A95-71502 p 225
A95-71503 p 225
A95-71504 p 226
A95-71505 p 226
A95-71506 p 226
A95-71507 p 226
A95-71508 p 227
A95-71509 p 227
A95-71510 p 227
A95-71511 p 227
A95-71512 p 227
A95-71513 p 228
A95-71514 p 228
A95-71515 p 228
A95-71516 p 228
A95-71517 p 229
A95-71518 p 229
A95-71519 p 229
A95-71520 p 229
A95-71521 p 230
A95-71754 p 230
A95-71755 p 250
A95-72081 * p 230
A95-72259 p 259
A95-72260 * p 259
A95-72261 p 259
A95-72262 * p 259
A95-72263 p 259
A95-72547 * p 230
A95-72548 p 230
A95-72549 p 230
A95-72550 * p 231
A95-72551 * p 231
A95-72552 p 231
A95-72553 * p 231
A95-72554 p 231
A95-72555 * p 231
A95-72556 p 231
A95-72557 p 232
A95-72558 * p 232
A95-72573 p 259
A95-72574 p 259
A95-72575 p 260
A95-72576 p 260
A95-72577 p 260
A95-73036 p 232
A95-73037 p 232
A95-73038 p 233
A95-73039 p 233
A95-73040 p 233
A95-73041 p 233
A95-73042 p 234
A95-73043 p 234
A95-73044 p 234
A95-73045 p 234
A95-73046 p 235
A95-73047 p 235
A95-73048 p 235
A95-73049 p 235
A95-73050 p 236
A95-73051 p 236
A95-73052 p 236
A95-73053 p 236
A95-73054 p 236
A95-73055 p 237
A95-73056 p 237
A95-73057 p 237
A95-73058 p 237
A95-73059 p 238
A95-73060 p 238
A95-73061 p 238
A95-73062 p 238
A95-73063 p 238
A95-73064 p 239
A95-73065 p 239
A95-73066 p 239
A95-73067 * p 239
A95-73068 p 240
A95-73069 p 240
A95-73070 p 240
A95-73071 p 240
A95-73072 p 241
A95-73073 p 241
A95-73074 p 241
A95-73075 p 241
A95-73076 p 241
A95-73077 * p 242
A95-73078 p 242
A95-73079 p 242
A95-73080 p 242
A95-73081 p 243
A95-73082 p 243
A95-73083 p 243
A95-73084 p 243
A95-73085 p 244
A95-73086 p 244
A95-73087 p 244
A95-73088 p 244
A95-73280 p 250
A95-73284 * p 250
A95-73285 * p 245
A95-73341 p 269
A95-73427 p 313
A95-74286 p 269
A95-74287 p 269
A95-74288 p 269
A95-74289 p 270
A95-74290 * p 270
A95-74291 p 270
A95-74292 p 270
A95-74293 p 271
A95-74294 p 271
A95-74295 p 271
A95-74296 p 271
A95-74297 p 271
A95-74298 p 272
A95-74299 p 272
A95-74300 p 272
A95-74301 p 272
A95-74302 p 273
A95-74303 p 273
A95-74304 p 273
A95-74305 p 273
A95-74306 p 274
A95-74307 p 274
A95-74308 p 274
A95-74309 p 274
A95-74310 p 275
A95-74311 p 275
A95-74312 p 275
A95-74313 p 275
A95-74314 p 276
A95-74315 p 276
A95-74316 p 276
A95-74317 p 276
A95-74318 p 277
A95-74319 p 277
A95-74320 p 277
A95-74321 p 277
A95-74322 p 278
A95-74323 p 278
A95-74324 p 278
A95-74325 p 278
A95-74326 p 279
A95-74327 p 279
A95-74328 p 279
A95-74329 p 279
A95-74330 p 280
A95-74331 p 280
A95-74332 p 280
A95-74333 p 280
A95-74334 p 281
A95-74335 p 281
A95-74336 * p 281
A95-74337 p 281
A95-74338 p 282
A95-74339 p 282
A95-74340 p 282
A95-74341 p 282
A95-74342 p 283
A95-74343 p 283
A95-74344 p 283
A95-74345 p 283
A95-74346 p 284
A95-74347 p 284
A95-74348 p 284
A95-74349 p 284
A95-74350 p 284
A95-74351 p 285
A95-74352 p 285
A95-74353 p 285
A95-74354 * p 310
A95-74355 p 285
A95-74356 p 285
A95-74357 p 286
A95-74358 p 286
A95-74359 p 286
A95-74360 p 286
A95-74361 p 287
A95-74362 * p 287
A95-74363 p 287
A95-74364 p 287
A95-74365 p 288
A95-74366 p 288
A95-74367 p 288
A95-74368 p 288
A95-74369 p 289
A95-74370 * p 289
A95-74371 p 289
A95-74372 p 289
A95-74373 p 290
A95-74374 p 290
A95-74375 p 290
A95-74376 p 290
A95-74377 * p 310
A95-74378 p 290
A95-74379 p 291
A95-74380 p 291
A95-74381 p 291
A95-74382 p 291
A95-74383 p 292
A95-75050 p 316
A95-75252 p 292
A95-75253 p 292
A95-75254 p 292
A95-75255 p 293
A95-75256 p 293
A95-75257 p 293
A95-75258 p 293
A95-75259 p 294
A95-75260 p 294
A95-75261 p 294
A95-75262 p 294
A95-75263 p 294
A95-75264 p 295
A95-75265 p 295
A95-75266 * p 295
A95-75267 p 296
A95-75268 p 296
A95-75269 p 296
A95-75270 p 296
A95-75271 p 296
A95-75272 p 297
A95-75273 p 297
A95-75274 p 297
A95-75275 p 297
A95-75276 p 298
A95-75277 p 298
A95-75278 p 298
A95-75279 p 298
A95-75280 p 299
A95-75281 p 299
A95-75282 p 299
A95-75283 p 299
A95-75284 p 300
A95-75285 p 300
A95-75286 p 300
A95-75287 p 300
A95-75288 p 301
A95-75289 p 301
A95-75290 p 301
A95-75291 p 301
A95-75292 p 302
A95-75293 p 302
A95-75294 p 302
A95-75295 p 302
A95-75296 p 303
A95-75297 p 303
A95-75298 p 303
A95-75299 p 303
A95-75300 p 304
A95-75301 p 304
A95-75302 p 304
A95-75303 p 304

A95-75304 p 304
A95-75510 p 310
A95-75750 p 313
A95-76501 p 305
A95-76502 p 305
A95-76505 p 305
A95-76885 p 317
A95-77124 p 317
A95-78302 * p 319
A95-78303 * p 348
A95-78304 p 319
A95-78734 p 319
A95-78735 p 319
A95-78736 p 319
A95-78737 p 357
A95-78738 p 358
A95-78739 p 358
A95-78859 p 358
A95-78860 p 358
A95-78861 p 358
A95-78862 p 358
A95-78863 p 358
A95-78952 p 348
A95-78955 p 320
A95-78957 p 348
A95-78958 p 348
A95-78959 p 348
A95-78960 p 349
A95-78961 p 349
A95-78962 p 349
A95-79005 p 320
A95-79141 p 320
A95-79211 p 320
A95-79426 p 354
A95-79659 p 358
A95-79767 p 320
A95-80397 * p 356
A95-80398 * p 356
A95-80399 * p 356
A95-80400 p 356
A95-80590 p 320
A95-81431 * p 349
A95-81432 p 349
A95-81436 p 349
A95-81440 p 349
A95-81444 * p 350
A95-81446 * p 321
A95-81447 * p 350
A95-81449 p 321
A95-81450 p 350
A95-81451 p 350
A95-81454 p 321
A95-81789 p 350
A95-81924 p 321
A95-81925 p 322
A95-81926 p 322
A95-81927 p 322
A95-81928 * p 322
A95-81929 p 322
A95-81930 p 323
A95-81931 p 323
A95-81932 p 323
A95-81933 p 323
A95-81934 p 324
A95-81935 p 324
A95-81936 p 324
A95-81937 p 324
A95-81938 p 325
A95-81939 p 325
A95-81940 p 325
A95-81941 p 325
A95-81942 p 326
A95-81943 p 326
A95-81944 p 326
A95-81945 p 326
A95-81946 p 327
A95-81947 * p 327
A95-81948 p 327
A95-81949 p 327
A95-81950 p 328
A95-81951 p 328
A95-81952 p 328
A95-81953 p 328
A95-81954 p 329
A95-81955 p 329
A95-81956 p 329
A95-81957 p 329
A95-81958 p 330
A95-81959 p 330
A95-81960 p 330
A95-81961 p 330
A95-81962 p 331
A95-81963 p 331
A95-81964 p 331
A95-81965 p 331
A95-81966 p 332
A95-81967 p 332
A95-81968 p 332
A95-81969 p 332
A95-81970 p 333
A95-81971 p 333
A95-81975 p 333
A95-81976 p 333
A95-81977 p 334
A95-81978 p 334
A95-81979 p 334
A95-81980 p 334
A95-81981 p 334
A95-81982 p 335
A95-81983 p 335
A95-81984 p 335
A95-81985 p 335
A95-81986 p 336
A95-81987 p 336
A95-81988 p 336
A95-81989 p 336
A95-81990 p 337
A95-81991 p 337
A95-81992 p 337
A95-81993 p 338
A95-81994 p 338
A95-81995 p 338
A95-81996 p 338
A95-81997 p 338
A95-81998 p 339
A95-81999 p 339
A95-82000 p 339
A95-82001 p 339
A95-82002 p 340
A95-82003 * p 351
A95-82004 p 340
A95-82005 p 340
A95-82006 p 340
A95-82007 p 341
A95-82008 p 341
A95-82009 p 341
A95-82010 p 341
A95-82011 p 342
A95-82012 p 342
A95-82013 p 342
A95-82014 p 343
A95-82015 p 343
A95-82016 p 343
A95-82017 p 343
A95-82018 p 343
A95-82019 p 344
A95-82020 p 344
A95-82021 p 344
A95-82022 p 344
A95-82023 p 345
A95-82075 p 361
A95-82463 p 394
A95-82464 p 394
A95-82465 p 394
A95-82466 p 394
A95-82467 p 394
A95-82468 p 395
A95-82469 p 395
A95-82470 p 395
A95-82471 p 395
A95-82507 p 395
A95-82508 p 396
A95-82510 p 396
A95-82587 p 361
A95-82590 p 361
A95-82602 * p 383
A95-82603 p 384
A95-82604 * p 384
A95-82605 p 361
A95-82606 p 361
A95-82607 p 362
A95-82608 p 362
A95-82609 p 362
A95-82610 p 396
A95-82611 p 362
A95-82612 * p 363
A95-82613 p 363
A95-82614 p 363
A95-82615 p 384
A95-82616 p 363
A95-82617 p 403
A95-82618 p 403
A95-82619 p 404
A95-82620 p 396
A95-82675 p 396
A95-82676 p 396
A95-83090 p 383
A95-83162 p 384
A95-83339 p 364
A95-83340 p 364
A95-83341 p 364
A95-83342 p 364
A95-83343 p 365
A95-83344 p 365
A95-83345 p 365
A95-83346 p 365
A95-83347 * p 366
A95-83348 p 366
A95-83349 p 366
A95-83350 p 366
A95-83351 p 366
A95-83352 p 367
A95-83353 p 367
A95-83354 p 367
A95-83355 p 367
A95-83356 p 368
A95-83357 p 368
A95-83358 p 368
A95-83359 p 368
A95-83360 p 369
A95-83361 p 369
A95-83362 p 369
A95-83363 p 369
A95-83364 p 369
A95-83365 p 370
A95-83366 p 370
A95-83367 p 370
A95-83368 p 371
A95-83369 p 371
A95-83370 p 371
A95-83371 p 371
A95-83372 p 372
A95-83373 p 372
A95-83374 p 372
A95-83375 p 372
A95-83376 p 372
A95-83377 p 373
A95-83378 p 373
A95-83379 p 373
A95-83380 p 373
A95-83381 p 374
A95-83382 p 374
A95-83383 p 374
A95-83384 * p 374
A95-83386 p 375
A95-83387 p 375
A95-83702 p 397
A95-83716 p 404
A95-83867 p 375
A95-83868 p 388
A95-83869 p 388
A95-83871 p 375
A95-83883 p 404
A95-83884 p 404
A95-84063 p 375
A95-84370 p 375
A95-84375 p 388
A95-84791 p 397
A95-85015 p 405
A95-85016 p 405
A95-85209 p 375
A95-85211 p 376
A95-85333 p 388
A95-85334 * p 397
A95-85335 p 397
A95-85336 p 384
A95-85337 p 388
A95-85338 p 376
A95-85340 p 376
A95-85362 p 376
A95-85363 p 376
A95-85365 p 376
A95-85367 p 376
A95-85880 p 389
A95-85881 * p 389
A95-85882 p 389
A95-85883 p 389
A95-85884 p 389
A95-85885 p 390
A95-85886 p 377
A95-85887 p 377
A95-85888 p 377
A95-85889 p 377
A95-85890 p 377
A95-85891 p 377
A95-85925 p 397
A95-85926 p 378
A95-85927 p 397
A95-85928 * p 398
A95-85929 * p 398
A95-85930 * p 398
A95-85931 p 378
A95-85932 p 378
A95-85933 p 398
A95-85985 p 378
A95-85988 p 390
A95-86248 p 378
A95-86261 p 398
A95-86263 p 399
A95-86264 p 378
A95-86265 p 399
A95-86266 p 399
A95-86267 p 399
A95-86268 p 399
A95-86269 p 399
A95-86643 * p 390
A95-86644 p 390
A95-86645 p 390
A95-86646 p 390
A95-86876 p 457
A95-87297 p 407
A95-87298 p 407
A95-87299 p 407
A95-87329 p 457
A95-87470 p 457
A95-87471 p 458
A95-87472 p 458
A95-87485 p 407
A95-87486 * p 408
A95-87487 p 408
A95-87488 p 432
A95-87489 * p 408
A95-87490 p 408
A95-87491 p 408
A95-87492 p 409
A95-87493 p 409
A95-87494 p 409
A95-87495 p 409
A95-87496 p 409
A95-87497 p 409
A95-87498 p 410
A95-87499 p 410
A95-87500 p 410
A95-87501 p 410
A95-87502 p 411
A95-87503 p 411
A95-87504 p 411
A95-87505 p 411
A95-87506 p 411
A95-87507 p 412
A95-87508 p 412
A95-87509 p 412
A95-87510 p 412
A95-87511 p 432
A95-87512 p 412
A95-87513 p 413
A95-87514 p 413
A95-87515 * p 413
A95-87516 * p 413
A95-87517 p 413
A95-87518 p 414
A95-87519 p 414
A95-87520 p 414
A95-87521 p 414
A95-87522 p 414
A95-87523 p 415
A95-87524 p 415
A95-87525 p 415
A95-87526 p 415
A95-87527 p 415
A95-87528 p 416
A95-87529 p 416
A95-87686 p 458
A95-87815 p 432
A95-87816 p 432
A95-87817 p 433
A95-87818 p 433
A95-87820 p 433
A95-87821 p 433
A95-87822 p 433
A95-87824 p 434
A95-87825 p 434
A95-87826 p 434
A95-87827 p 434
A95-87828 p 434
A95-87829 p 434
A95-87830 p 435
A95-87831 p 435
A95-87832 p 435
A95-87833 p 435
A95-87834 p 435
A95-87846 p 458
A95-88153 p 436
A95-88558 p 436
A95-88559 * p 436
A95-88560 p 436
A95-88561 p 436
A95-88562 p 437
A95-88563 * p 437
A95-88564 p 437
A95-88565 p 437
A95-88566 * p 437
A95-88567 p 416
A95-88568 p 438
A95-88569 p 438
A95-88570 p 416
A95-88571 p 438
A95-88572 p 438
A95-88573 p 439
A95-88574 p 439
A95-88575 p 416
A95-88576 p 439
A95-88577 p 439
A95-88578 * p 439
A95-88579 p 417
A95-88580 p 417
A95-88581 p 440
A95-88582 p 440
A95-88583 p 440
A95-88584 p 440
A95-88585 p 441
A95-88586 * p 441
A95-88587 p 441
A95-88588 p 417
A95-88589 p 417
A95-88590 p 418
A95-88591 p 418
A95-88592 p 418
A95-88593 p 418
A95-88594 p 418
A95-88595 p 441
A95-88596 p 442
A95-88597 p 442
A95-88598 p 419
A95-88599 p 442
A95-88600 p 419
A95-88726 * p 419
A95-88727 * p 419
A95-88728 * p 419
A95-88729 p 420
A95-88730 * p 420
A95-88731 p 420
A95-88732 p 420
A95-88733 * p 420
A95-88734 * p 421
A95-88735 * p 421
A95-88736 * p 421
A95-88737 * p 421
A95-88738 p 422
A95-88739 p 422
A95-88740 p 422
A95-88741 p 422
A95-88742 p 422
A95-88743 p 422
A95-88744 p 422
A95-88745 p 423
A95-88746 p 423
A95-88747 p 423
A95-88748 p 423
A95-88874 p 442
A95-89092 * p 458
A95-89093 * p 423
A95-89094 * p 459
A95-89095 * p 459
A95-89096 * p 459
A95-89205 * p 472
A95-89206 * p 472
A95-89208 p 473
A95-89216 p 473
A95-89217 p 473
A95-89219 * p 473
A95-89463 p 424
A95-89501 p 424
A95-89826 p 443
A95-90171 p 459
A95-90338 * p 459
A95-90339 * p 460
A95-90340 * p 460
A95-90341 p 460
A95-90342 p 460
A95-90343 p 460
A95-90344 p 460
A95-90345 p 461
A95-90347 p 461
A95-90348 p 461
A95-90350 p 461
A95-90351 p 461
A95-90353 * p 462
A95-90354 p 462
A95-90355 * p 462
A95-90356 * p 462
A95-90365 * p 462
A95-90366 p 462
A95-90367 p 463
A95-90368 p 463
A95-90369 * p 463
A95-90370 p 463
A95-90371 * p 463
A95-90376 p 443
A95-90379 * p 443

A95-90380 * p 443
A95-90381 * p 443
A95-90383 * p 443
A95-90384 * p 463
A95-90386 p 464
A95-90396 * p 464
A95-90397 p 464
A95-90398 p 464
A95-90399 * p 464
A95-90400 * p 464
A95-90402 p 465
A95-90403 p 465
A95-90404 p 465
A95-90423 p 465
A95-90426 p 465
A95-90661 * p 465
A95-90727 p 474
A95-90863 p 444
A95-90932 p 424
A95-90934 p 424
A95-91326 p 424
A95-91439 p 444
A95-91440 * p 466
A95-91441 p 425
A95-91442 p 444
A95-91443 p 425
A95-91444 p 425
A95-91445 p 425
A95-91446 p 426
A95-91447 p 426
A95-91448 p 426
A95-91449 p 444
A95-91451 p 426
A95-91452 p 426
A95-91466 * p 427
A95-91467 p 427
A95-91468 p 427
A95-91469 p 427
A95-91470 p 428
A95-91471 p 428
A95-91578 p 454
A95-91579 p 454
A95-91580 p 454
A95-91581 p 454
A95-91631 p 466
A95-91639 p 466
A95-91640 p 466
A95-91641 * p 466
A95-91642 * p 467
A95-91643 * p 467
A95-91644 p 467
A95-91645 p 467
A95-91646 p 455
A95-91649 p 467
A95-91650 p 467
A95-91651 * p 468
A95-91652 * p 468
A95-91653 p 468
A95-91654 p 468
A95-91655 p 468
A95-91662 * p 469
A95-91663 * p 469
A95-91707 p 469
A95-91708 p 469
A95-91709 p 469
A95-91847 p 444
A95-91848 p 445
A95-91849 p 445
A95-91850 p 469
A95-91851 p 428
A95-91852 p 428
A95-91853 p 445
A95-91854 p 445
A95-91855 p 445
A95-91856 p 446
A95-91899 p 446
A95-91901 p 455
A95-91902 p 446
A95-91903 p 446
A95-91904 p 447
A95-91905 p 447
A95-91906 p 447
A95-91907 p 447
A95-91908 p 448
A95-91909 p 428
A95-91910 p 455
A95-91911 p 448
A95-91912 p 448
A95-91914 p 429
A95-92251 p 429
A95-92252 p 429
A95-92257 p 429
A95-92258 p 430
A95-92259 p 430
A95-92260 p 430
A95-92524 p 475
A95-92688 p 475
A95-93614 p 512
A95-93759 p 475
A95-93760 p 475
A95-93761 p 475
A95-93762 p 512
A95-93763 p 476
A95-93764 p 476
A95-93765 p 476
A95-93766 * p 476
A95-93767 p 513
A95-93768 p 513
A95-93769 p 513
A95-93770 p 513
A95-93771 p 477
A95-93772 p 513
A95-93773 p 514
A95-93774 p 514
A95-93775 p 514
A95-93776 p 514
A95-93778 * p 488
A95-93779 p 514
A95-93780 p 477
A95-93781 p 488
A95-93782 p 477
A95-93783 * p 477
A95-93784 p 478
A95-93785 p 478
A95-93786 p 478
A95-93787 p 478
A95-93788 p 478
A95-93789 p 479
A95-93790 p 479
A95-93791 p 479
A95-93792 p 479
A95-93793 p 479
A95-93794 * p 480
A95-93795 p 480
A95-93796 p 480
A95-93797 p 514
A95-93798 p 515
A95-93799 p 515
A95-93800 p 480
A95-93801 p 515
A95-93802 p 515
A95-93803 * p 481
A95-93804 p 481
A95-93805 p 481
A95-93806 p 481
A95-93807 p 481
A95-93808 p 515
A95-93809 p 481
A95-93810 p 482
A95-93811 p 482
A95-93812 p 516
A95-93813 p 482
A95-93814 p 516
A95-93815 p 482
A95-93816 p 483
A95-93843 p 488
A95-94245 p 488
A95-94875 p 488
A95-94876 p 488
A95-94877 p 483
A95-94880 p 483
A95-94881 p 483
A95-94884 p 483
A95-94885 p 484
A95-94887 p 484
A95-94888 p 484
A95-94889 p 484
A95-94891 p 484
A95-94892 p 485
A95-94900 p 485
A95-94901 p 485
A95-95019 p 516
A95-95037 p 494
A95-95038 p 516
A95-95039 p 516
A95-95040 * p 517
A95-95041 * p 494
A95-95042 p 517
A95-95043 p 517
A95-95045 p 517
A95-95046 * p 494
A95-95047 p 494
A95-95048 * p 517
A95-95049 p 517
A95-95050 p 518
A95-95051 p 518
A95-95052 p 518
A95-95053 p 518
A95-95054 * p 495
A95-95055 * p 495
A95-95056 * p 518
A95-95057 p 518
A95-95058 * p 519
A95-95059 * p 519
A95-95060 p 519
A95-95061 p 519
A95-95062 * p 519
A95-95064 * p 520
A95-95065 * p 495
A95-95067 p 495
A95-95068 * p 495
A95-95069 p 495
A95-95070 * p 495
A95-95071 * p 496
A95-95072 p 496
A95-95073 p 496
A95-95074 p 496
A95-95075 p 496
A95-95076 p 496
A95-95077 p 496
A95-95078 * p 497
A95-95079 * p 497
A95-95080 p 497
A95-95081 p 497
A95-95082 p 520
A95-95084 p 497
A95-95086 p 520
A95-95087 * p 520
A95-95088 * p 520
A95-95089 p 521
A95-95092 p 521
A95-95093 * p 521
A95-95094 p 521
A95-95095 p 521
A95-95096 p 497
A95-95097 p 498
A95-95098 p 498
A95-95099 p 521
A95-95100 p 498
A95-95101 p 498
A95-95102 p 498
A95-95103 p 498
A95-95104 p 498
A95-95105 p 499
A95-95106 p 499
A95-95107 p 499
A95-95108 p 499
A95-95109 p 499
A95-95110 p 499
A95-95111 p 499
A95-95113 * p 500
A95-95114 p 500
A95-95116 p 500
A95-95117 p 500
A95-95118 p 500
A95-95119 p 500
A95-95120 * p 500
A95-95121 * p 501
A95-95122 * p 501
A95-95123 * p 501
A95-95124 * p 522
A95-95125 p 501
A95-95126 * p 522
A95-95127 * p 501
A95-95128 p 501
A95-95129 p 502
A95-95130 p 502
A95-95131 p 502
A95-95132 p 489
A95-95133 p 502
A95-95134 p 522
A95-95135 p 489
A95-95136 p 489
A95-95137 p 489
A95-95138 p 489
A95-95139 p 490
A95-95140 p 490
A95-95141 p 502
A95-95142 p 503
A95-95143 p 503
A95-95144 p 503
A95-95145 p 503
A95-95146 p 503
A95-95147 p 503
A95-95148 p 503
A95-95149 p 503
A95-95150 p 504
A95-95151 p 504
A95-95152 p 504
A95-95153 p 504
A95-95154 p 504
A95-95155 p 505
A95-95156 p 505
A95-95157 p 505
A95-95158 p 505
A95-95160 p 505
A95-95162 p 490
A95-95163 p 490
A95-95164 p 490
A95-95165 p 506
A95-95166 p 522
A95-95167 p 506
A95-95168 * p 506
A95-95169 * p 506
A95-95170 p 506
A95-95171 * p 506
A95-95172 p 507
A95-95173 p 507
A95-95174 * p 507
A95-95175 p 507
A95-95176 * p 522
A95-95177 p 507
A95-95178 p 507
A95-95179 p 508
A95-95180 p 522
A95-95181 p 523
A95-95182 p 508
A95-95183 p 508
A95-95184 p 490
A95-95185 p 508
A95-95186 p 508
A95-95187 p 508
A95-95188 p 509
A95-95189 p 509
A95-95190 p 509
A95-95191 p 509
A95-95195 * p 509
A95-95196 p 509
A95-95197 p 510
A95-95199 p 523
A95-95200 p 510
A95-95202 * p 510
A95-95205 p 523
A95-95206 p 510
A95-95207 p 523
A95-95208 p 510
A95-95209 p 510
A95-95615 p 511
A95-95616 p 490
A95-95617 p 485
A95-95618 p 485
A95-95619 p 491
A95-95620 p 523
A95-95621 p 523
A95-95622 p 485
A95-95623 p 486
A95-95624 p 486
A95-95625 p 486
A95-95626 p 486
A95-95627 p 486
A95-95628 p 487
A95-95629 p 491
A95-95630 p 491
A95-96246 p 535
A95-96275 p 527
A95-96594 p 531
A95-96595 p 531

N95-10024 *# p 16
N95-10144 # p 19
N95-10221 # p 16
N95-10236 p 19
N95-10243 # p 16
N95-10337 *# p 13
N95-10533 # p 16
N95-10536 # p 20
N95-10550 * p 16
N95-10551 * p 16
N95-10562 * p 16
N95-10728 p 22
N95-10826 *# p 13
N95-10828 *# p 13
N95-10861 *# p 16
N95-10863 *# p 13
N95-10918 p 22
N95-10920 p 13
N95-10937 *# p 17
N95-11195 *# p 22
N95-11218 *# p 14
N95-11250 *# p 17
N95-11326 p 22
N95-11337 # p 17
N95-11338 # p 17
N95-11340 # p 20
N95-11357 p 22
N95-11386 *# p 23
N95-11394 * p 23
N95-11405 * p 17
N95-11421 # p 20
N95-11570 # p 20
N95-11594 *# p 17
N95-11600 p 23
N95-11601 p 23
N95-11602 p 23
N95-11603 p 24
N95-11604 p 24
N95-11607 p 20
N95-11608 p 18
N95-11609 p 24
N95-11610 p 24
N95-11611 p 24
N95-11615 p 24
N95-11616 p 25
N95-11618 p 25
N95-11620 p 21
N95-11621 p 21
N95-11622 p 21
N95-11623 p 25
N95-11631 p 21
N95-11683 # p 21
N95-11697 # p 14
N95-11702 # p 31
N95-11708 *# p 31
N95-11728 # p 27
N95-11737 # p 27
N95-11744 # p 31
N95-11778 # p 36
N95-11806 # p 31
N95-11808 *# p 31
N95-11810 *# p 28
N95-11811 *# p 36
N95-11872 p 34
N95-11873 p 36
N95-11878 *# p 36
N95-11887 *# p 32
N95-11902 # p 28
N95-11905 *# p 37
N95-11908 # p 37
N95-11942 p 34
N95-11949 *# p 37
N95-11962 *# p 37
N95-11964 *# p 37
N95-11966 *# p 28
N95-11970 *# p 37
N95-12006 *# p 28
N95-12132 *# p 38
N95-12133 # p 34
N95-12310 p 28
N95-12354 # p 38
N95-12361 *# p 38
N95-12376 *# p 32
N95-12393 # p 29
N95-12405 # p 32
N95-12406 # p 32
N95-12495 # p 35
N95-12535 p 32
N95-12542 p 32
N95-12555 *# p 38
N95-12593 p 33
N95-12614 p 29
N95-12629 *# p 38
N95-12677 # p 29
N95-12792 *# p 33
N95-12827 *# p 29
N95-12919 p 33
N95-12941 *# p 29
N95-13019 # p 35
N95-13020 # p 35
N95-13026 *# p 39
N95-13054 p 33
N95-13055 p 39
N95-13176 # p 30
N95-13177 p 33
N95-13199 # p 35
N95-13214 *# p 39
N95-13230 * p 34
N95-13270 *# p 34
N95-13271 # p 30
N95-13373 # p 30
N95-13375 # p 35
N95-13408 # p 30
N95-13423 *# p 30
N95-13433 p 36
N95-13638 *# p 41
N95-13661 *# p 83
N95-13671 # p 95
N95-13702 *# p 41
N95-13715 # p 92
N95-13888 *# p 96
N95-13971 p 83
N95-13990 p 41
N95-14013 *# p 96
N95-14014 *# p 96
N95-14015 *# p 96
N95-14016 *# p 96
N95-14017 *# p 96
N95-14018 *# p 96
N95-14019 *# p 97
N95-14020 *# p 97
N95-14024 *# p 97

N95-14025 *# p 97
N95-14026 *# p 97
N95-14029 *# p 97
N95-14030 *# p 97
N95-14031 *# p 98
N95-14032 *# p 98
N95-14033 *# p 98
N95-14034 *# p 98
N95-14035 *# p 98
N95-14036 *# p 98
N95-14038 *# p 99
N95-14039 *# p 99
N95-14040 *# p 99
N95-14041 *# p 99
N95-14042 *# p 99
N95-14043 *# p 99
N95-14044 *# p 100
N95-14047 *# p 100
N95-14049 *# p 100
N95-14050 *# p 100
N95-14051 *# p 101
N95-14052 *# p 101
N95-14055 *# p 101
N95-14056 *# p 101
N95-14057 *# p 102
N95-14058 *# p 102
N95-14059 *# p 102
N95-14060 *# p 102
N95-14061 *# p 103
N95-14090 *# p 41
N95-14091 *# p 42
N95-14142 # p 83
N95-14145 # p 83
N95-14176 # p 83
N95-14177 # p 84
N95-14184 *# p 84
N95-14223 *# p 84
N95-14224 *# p 84
N95-14227 *# p 42
N95-14228 *# p 103
N95-14263 # p 103
N95-14369 # p 93
N95-14394 # p 85
N95-14408 # p 85
N95-14424 # p 85
N95-14600 # p 93
N95-14796 *# p 42
N95-14854 *# p 103
N95-14863 # p 93
N95-14864 *# p 93
N95-14891 *# p 93
N95-14892 *# p 94
N95-14949 # p 103
N95-15089 # p 85
N95-15090 # p 85
N95-15091 # p 85
N95-15092 # p 86
N95-15093 # p 86
N95-15094 *# p 42
N95-15095 *# p 86
N95-15096 # p 86
N95-15097 # p 86
N95-15098 # p 43
N95-15099 # p 43
N95-15100 # p 86
N95-15101 # p 43
N95-15102 # p 43
N95-15103 # p 43
N95-15104 *# p 43
N95-15105 *# p 86
N95-15106 # p 43
N95-15107 # p 87
N95-15108 # p 87
N95-15109 # p 87
N95-15110 # p 87
N95-15111 # p 87
N95-15112 # p 87
N95-15113 # p 44
N95-15114 *# p 88
N95-15115 # p 44
N95-15116 # p 44
N95-15117 # p 44
N95-15118 # p 44
N95-15119 # p 44
N95-15120 # p 88
N95-15121 # p 88
N95-15122 # p 88
N95-15123 # p 88
N95-15124 # p 88
N95-15125 # p 89
N95-15126 # p 89
N95-15127 # p 89
N95-15128 *# p 89
N95-15129 # p 89
N95-15130 # p 89
N95-15131 # p 89
N95-15132 # p 45
N95-15133 *# p 45
N95-15134 # p 90
N95-15135 *# p 45
N95-15136 *# p 90
N95-15137 # p 90
N95-15138 # p 90
N95-15139 *# p 90
N95-15140 *# p 90
N95-15141 # p 45
N95-15142 # p 45
N95-15143 # p 45
N95-15144 # p 45
N95-15145 # p 90
N95-15147 *# p 91
N95-15148 # p 46
N95-15149 # p 91
N95-15150 # p 91
N95-15304 * p 91
N95-15309 # p 104
N95-15326 # p 94
N95-15445 p 91
N95-15449 p 104
N95-15588 # p 94
N95-15642 # p 94
N95-15649 *# p 91
N95-15755 # p 104
N95-15757 # p 92
N95-15759 # p 104
N95-15767 p 92
N95-15768 p 95
N95-15770 p 95
N95-15787 # p 95
N95-15810 p 92
N95-15816 p 95
N95-15850 p 104
N95-15959 p 168
N95-15961 *# p 141
N95-15975 *# p 145
N95-15976 *# p 145
N95-15984 *# p 176
N95-16010 # p 168
N95-16034 *# p 141
N95-16105 # p 145
N95-16112 # p 146
N95-16119 # p 176
N95-16132 # p 146
N95-16135 # p 146
N95-16138 # p 168
N95-16140 # p 169
N95-16145 # p 176
N95-16147 # p 176
N95-16151 # p 146
N95-16152 # p 146
N95-16164 # p 142
N95-16228 # p 147
N95-16244 # p 169
N95-16297 # p 147
N95-16298 # p 169
N95-16299 # p 169
N95-16301 # p 169
N95-16360 # p 147
N95-16368 # p 169
N95-16377 p 169
N95-16378 p 147
N95-16405 # p 147
N95-16412 *# p 148
N95-16418 *# p 176
N95-16423 # p 148
N95-16429 *# p 142
N95-16433 # p 170
N95-16444 # p 148
N95-16481 # p 148
N95-16484 # p 148
N95-16491 # p 148
N95-16515 # p 149
N95-16518 # p 170
N95-16520 # p 170
N95-16553 p 176
N95-16599 # p 142
N95-16615 # p 170
N95-16619 # p 149
N95-16737 # p 142
N95-16738 *# p 149
N95-16739 *# p 149
N95-16740 *# p 150
N95-16741 *# p 150
N95-16742 *# p 150
N95-16743 *# p 150
N95-16744 *# p 151
N95-16745 *# p 151
N95-16746 *# p 151
N95-16747 *# p 151
N95-16748 *# p 152
N95-16749 *# p 152
N95-16750 *# p 152
N95-16751 *# p 152
N95-16752 *# p 152
N95-16753 *# p 153
N95-16754 *# p 153
N95-16755 *# p 177
N95-16756 *# p 153
N95-16757 *# p 153
N95-16758 *# p 154
N95-16759 *# p 154
N95-16760 *# p 170
N95-16761 *# p 171
N95-16762 *# p 171
N95-16763 *# p 171
N95-16764 *# p 171
N95-16765 *# p 171
N95-16766 *# p 172
N95-16767 *# p 177
N95-16768 *# p 154
N95-16770 *# p 154
N95-16771 *# p 155
N95-16773 *# p 177
N95-16774 *# p 155
N95-16775 *# p 177
N95-16777 *# p 155
N95-16778 *# p 178
N95-16779 *# p 155
N95-16780 *# p 156
N95-16781 *# p 156
N95-16782 *# p 156
N95-16796 # p 156
N95-16801 p 142
N95-16809 # p 157
N95-16813 # p 178
N95-16817 # p 172
N95-16821 # p 178
N95-16822 # p 172
N95-16835 # p 172
N95-16847 # p 157
N95-16851 # p 157
N95-16871 # p 157
N95-16875 # p 178
N95-16894 *# p 179
N95-16953 # p 179
N95-16966 # p 179
N95-17174 # p 157
N95-17175 # p 173
N95-17300 p 157
N95-17342 # p 158
N95-17447 p 173
N95-17468 p 179
N95-17484 # p 179
N95-17530 # p 173
N95-17655 # p 173
N95-17666 p 143
N95-17703 * p 158
N95-17714 # p 143
N95-17949 # p 158
N95-17950 # p 158
N95-17998 # p 158
N95-18029 # p 179
N95-18077 p 180
N95-18084 p 173
N95-18086 # p 180
N95-18094 p 174
N95-18095 # p 174
N95-18138 p 158
N95-18151 # p 174
N95-18173 *# p 143
N95-18179 *# p 143
N95-18189 *# p 180
N95-18371 # p 143
N95-18385 p 180
N95-18400 p 158
N95-18401 p 174
N95-18403 p 174
N95-18414 p 175
N95-18439 p 143
N95-18440 p 175
N95-18512 p 159
N95-18515 p 159
N95-18518 p 159
N95-18530 # p 175
N95-18531 # p 180
N95-18569 *# p 187
N95-18618 # p 159
N95-18626 p 159
N95-18656 p 160
N95-18661 p 160
N95-18734 *# p 144
N95-18971 *# p 160
N95-18990 *# p 181
N95-18997 *# p 144
N95-19014 *# p 144
N95-19061 *# p 181
N95-19068 p 175
N95-19140 *# p 144
N95-19239 * p 160
N95-19244 # p 160
N95-19384 # p 161
N95-19385 # p 161
N95-19412 p 181
N95-19413 # p 161
N95-19414 # p 161
N95-19415 # p 161
N95-19416 # p 162
N95-19417 # p 162
N95-19418 # p 162
N95-19419 # p 162
N95-19420 # p 163
N95-19421 # p 163
N95-19422 # p 163
N95-19423 # p 163
N95-19424 # p 163
N95-19425 # p 164
N95-19426 # p 164
N95-19427 # p 164
N95-19428 # p 164
N95-19429 # p 164
N95-19430 # p 165
N95-19431 # p 165
N95-19432 # p 165
N95-19433 # p 165
N95-19434 # p 165
N95-19435 # p 166
N95-19436 # p 166
N95-19437 # p 166
N95-19438 # p 166
N95-19439 # p 167
N95-19440 # p 167
N95-19441 # p 167
N95-19442 # p 167
N95-19443 # p 168
N95-19502 p 181
N95-19536 # p 208
N95-19537 # p 210
N95-19538 # p 212
N95-19564 # p 212
N95-19583 # p 212
N95-19602 # p 212
N95-19613 # p 208
N95-19627 *# p 214
N95-19695 # p 210
N95-19698 # p 210
N95-19714 # p 210
N95-19740 p 212
N95-19746 * p 210
N95-19811 p 211
N95-19827 p 211
N95-19887 p 260
N95-19896 # p 251
N95-19957 # p 260
N95-19969 # p 245
N95-19970 # p 261
N95-19998 # p 261
N95-20007 # p 261
N95-20041 p 264
N95-20062 # p 261
N95-20064 p 261
N95-20074 # p 251
N95-20185 # p 245
N95-20208 # p 245
N95-20252 p 245
N95-20276 p 264
N95-20301 p 251
N95-20307 # p 251
N95-20314 p 261
N95-20393 # p 262
N95-20408 *# p 252
N95-20457 p 252
N95-20471 # p 246
N95-20485 # p 252
N95-20549 # p 252
N95-20559 *# p 246
N95-20562 p 264
N95-20602 p 252
N95-20609 # p 262
N95-20625 p 264
N95-20710 p 253
N95-20711 p 246
N95-20763 *# p 253
N95-20768 # p 265
N95-20806 # p 246
N95-20811 # p 253
N95-20845 # p 262
N95-20848 # p 253
N95-20850 # p 253
N95-20851 # p 254
N95-20917 # p 246
N95-20971 # p 254
N95-20973 # p 265
N95-20977 p 254
N95-20979 # p 254
N95-21007 p 254
N95-21016 p 254
N95-21028 p 255
N95-21101 # p 262
N95-21112 # p 247
N95-21160 # p 255
N95-21180 p 255
N95-21192 # p 262
N95-21283 p 265
N95-21284 p 262
N95-21348 # p 255
N95-21352 # p 255
N95-21358 # p 265
N95-21366 # p 247
N95-21376 # p 247
N95-21424 p 255
N95-21467 p 265
N95-21526 # p 247
N95-21529 *# p 247
N95-21544 *# p 248
N95-21548 # p 248
N95-21566 # p 265
N95-21580 p 256
N95-21595 # p 256
N95-21606 # p 248
N95-21629 p 256
N95-21637 # p 266
N95-21691 # p 266
N95-21700 p 266
N95-21721 # p 266
N95-21866 *# p 266
N95-21884 # p 248
N95-21927 p 263
N95-21941 p 256
N95-21947 * p 256
N95-21968 p 263
N95-21989 # p 256
N95-22001 p 256
N95-22003 # p 257
N95-22004 # p 257
N95-22027 # p 257
N95-22040 # p 257
N95-22045 # p 267
N95-22052 # p 263
N95-22065 # p 248
N95-22066 # p 248
N95-22067 # p 249
N95-22075 # p 249
N95-22083 p 257
N95-22089 # p 267
N95-22220 p 249
N95-22274 # p 267
N95-22275 # p 267
N95-22285 # p 257
N95-22287 # p 258
N95-22296 # p 249
N95-22323 # p 263
N95-22324 # p 263
N95-22361 p 258
N95-22371 # p 258
N95-22397 p 249
N95-22466 # p 267
N95-22472 # p 263
N95-22473 # p 264
N95-22475 # p 258
N95-22476 # p 258
N95-22493 # p 305
N95-22513 # p 313
N95-22579 * p 312
N95-22586 # p 305
N95-22589 # p 306
N95-22590 # p 306
N95-22766 * p 313
N95-22770 p 311
N95-22797 *# p 313
N95-22801 *# p 306
N95-22866 # p 306
N95-22872 # p 306
N95-22873 # p 306
N95-22874 # p 306
N95-22875 # p 311
N95-22884 # p 307
N95-22890 # p 307
N95-22897 # p 307
N95-22911 *# p 307
N95-22912 # p 307
N95-22913 # p 308
N95-22983 *# p 308
N95-22987 *# p 311
N95-23050 # p 308
N95-23053 # p 308
N95-23058 # p 308
N95-23060 # p 308
N95-23142 # p 311
N95-23177 *# p 309
N95-23194 *# p 314

N95-23251 p 309
N95-23264 * p 314
N95-23274 * p 314
N95-23474 *# p 314
N95-23601 # p 314
N95-23704 *# p 314
N95-23705 *# p 314
N95-23707 *# p 315
N95-23708 *# p 315
N95-23709 *# p 315
N95-23714 *# p 315
N95-23715 *# p 315
N95-23720 *# p 315
N95-23723 *# p 316
N95-23732 *# p 316
N95-23735 *# p 316
N95-23771 # p 309
N95-23780 # p 311
N95-23788 # p 312
N95-23821 *# p 309
N95-23934 # p 312
N95-24021 # p 316
N95-24047 *# p 310
N95-24075 # p 310
N95-24088 # p 313
N95-24145 # p 311
N95-24225 # p 345
N95-24227 p 351
N95-24237 # p 354
N95-24306 # p 345
N95-24307 # p 345
N95-24309 p 351
N95-24310 p 351
N95-24367 # p 352
N95-24368 p 345
N95-24410 *# p 352
N95-24423 p 352
N95-24427 # p 352
N95-24464 * p 352
N95-24475 *# p 345
N95-24497 # p 352
N95-24510 p 355
N95-24531 *# p 346
N95-24556 *# p 353
N95-24564 *# p 353
N95-24600 # p 346
N95-24627 *# p 356
N95-24843 # p 346
N95-24850 # p 346
N95-24863 p 353
N95-24864 p 355
N95-25181 # p 346
N95-25306 * p 357
N95-25336 # p 353
N95-25371 # p 354
N95-25383 # p 347
N95-25483 # p 357
N95-25570 # p 354
N95-25610 p 357
N95-25800 * p 354
N95-25902 # p 347
N95-25933 *# p 347
N95-25934 *# p 347
N95-25981 # p 354
N95-26010 p 355
N95-26041 p 355
N95-26169 # p 347
N95-26193 p 348
N95-26204 # p 354
N95-26360 p 379
N95-26361 # p 391
N95-26364 *# p 400
N95-26435 p 379
N95-26494 p 384
N95-26552 p 400
N95-26558 p 400
N95-26573 p 379
N95-26597 # p 379
N95-26608 p 379
N95-26612 p 400
N95-26680 p 385
N95-26683 p 391
N95-26691 p 391
N95-26692 p 391
N95-26727 *# p 379
N95-26728 *# p 380
N95-26729 *# p 380
N95-26730 *# p 380
N95-26731 *# p 380
N95-26732 *# p 381
N95-26736 p 400
N95-26737 p 400
N95-26755 p 401
N95-26761 p 381
N95-26763 p 385
N95-26779 p 385
N95-26825 p 391
N95-26843 p 391
N95-26863 p 401
N95-26883 p 401
N95-26884 * p 401
N95-26885 p 385
N95-26889 *# p 385
N95-26909 p 392
N95-26917 p 386
N95-26991 p 386
N95-26992 p 392
N95-27012 p 392
N95-27013 p 392
N95-27039 p 386
N95-27046 p 401
N95-27058 p 401
N95-27059 p 386
N95-27097 p 381
N95-27099 p 402
N95-27100 p 381
N95-27164 *# p 402
N95-27181 p 393
N95-27195 p 402
N95-27254 # p 381
N95-27323 # p 393
N95-27329 *# p 382
N95-27426 # p 386
N95-27501 *# p 402
N95-27502 * p 387
N95-27696 # p 402
N95-27697 *# p 393
N95-27725 # p 382
N95-27948 # p 382
N95-28136 # p 387
N95-28176 # p 393
N95-28177 *# p 382
N95-28253 *# p 393
N95-28298 p 382
N95-28318 p 387
N95-28319 p 387
N95-28390 p 403
N95-28496 # p 383
N95-28519 p 383
N95-28525 p 383
N95-28546 p 383
N95-28561 p 388
N95-28659 p 403
N95-28667 p 403
N95-28676 *# p 394
N95-28683 p 469
N95-28685 p 430
N95-28722 *# p 474
N95-28792 # p 470
N95-28793 # p 448
N95-28794 # p 470
N95-28818 *# p 474
N95-28866 # p 449
N95-28875 *# p 449
N95-28915 p 449
N95-28918 # p 455
N95-28935 p 470
N95-28937 p 455
N95-28940 p 449
N95-28941 p 449
N95-28947 # p 430
N95-28969 # p 470
N95-28970 # p 470
N95-29020 # p 470
N95-29022 # p 449
N95-29059 # p 450
N95-29086 # p 450
N95-29088 # p 431
N95-29090 # p 455
N95-29139 p 450
N95-29141 # p 450
N95-29153 # p 450
N95-29155 # p 431
N95-29158 *# p 451
N95-29161 # p 451
N95-29162 # p 456
N95-29173 # p 451
N95-29180 * p 471
N95-29188 # p 451
N95-29190 * p 451
N95-29224 # p 451
N95-29238 # p 452
N95-29261 # p 456
N95-29263 p 431
N95-29320 # p 431
N95-29359 # p 471
N95-29360 # p 452
N95-29365 # p 471
N95-29375 *# p 431
N95-29378 # p 471
N95-29422 # p 456
N95-29432 # p 456
N95-29434 # p 456
N95-29439 # p 457
N95-29443 # p 457
N95-29458 p 457
N95-29471 # p 431
N95-29557 # p 452
N95-29600 p 471
N95-29624 # p 471
N95-29626 # p 472
N95-29627 # p 452
N95-29629 # p 452
N95-29757 # p 453
N95-29846 # p 453
N95-29872 # p 453
N95-29908 # p 472
N95-29927 # p 453
N95-29933 # p 453
N95-29943 # p 472
N95-29995 # p 453
N95-30083 # p 454
N95-30114 # p 432
N95-30267 *# p 472
N95-30292 * p 432
N95-30452 p 487
N95-30494 p 491
N95-30511 p 491
N95-30512 p 487
N95-30513 p 491
N95-30515 p 487
N95-30522 p 524
N95-30552 p 524
N95-30563 # p 492
N95-30665 p 487
N95-30846 *# p 492
N95-30870 # p 492
N95-30888 # p 524
N95-30905 # p 511
N95-30907 # p 524
N95-30924 # p 492
N95-30981 # p 492
N95-30998 # p 493
N95-31134 *# p 524
N95-31140 # p 511
N95-31144 # p 487
N95-31267 # p 524
N95-31373 # p 493
N95-31376 # p 511
N95-31383 # p 511
N95-31399 p 525
N95-31401 # p 525
N95-31436 # p 511
N95-31446 # p 493
N95-31538 # p 525
N95-31552 # p 493
N95-31570 # p 493
N95-31583 # p 512
N95-31585 # p 512
N95-31671 # p 525
N95-31685 # p 512
N95-31686 # p 512
N95-31714 # p 493
N95-32040 # p 487
N95-32097 # p 494
N95-32358 # p 487
N95-32419 *# p 531
N95-32422 *# p 533
N95-32428 *# p 535
N95-32489 # p 535
N95-32504 # p 536
N95-32535 # p 536
N95-32611 p 531
N95-32666 # p 531
N95-32688 *# p 536
N95-32719 *# p 527
N95-32720 *# p 527
N95-32722 *# p 527
N95-32723 *# p 527
N95-32724 *# p 528
N95-32725 *# p 528
N95-32726 *# p 528
N95-32727 *# p 528
N95-32728 *# p 529
N95-32729 *# p 529
N95-32730 *# p 529
N95-32731 *# p 529
N95-32901 p 529
N95-33139 # p 537
N95-33200 # p 531
N95-33232 # p 530
N95-33236 # p 530
N95-33237 # p 537
N95-33312 p 537
N95-33605 p 537
N95-33654 # p 530
N95-34050 # p 537
N95-34051 # p 538
N95-34052 # p 532
N95-34053 # p 533
N95-34055 # p 538
N95-34056 # p 532
N95-34057 # p 532
N95-34058 # p 532
N95-34059 # p 534
N95-34060 # p 538
N95-34356 # p 534
N95-34358 # p 538
N95-34370 # p 538
N95-34376 # p 538
N95-34378 # p 539
N95-34463 # p 534
N95-34472 # p 532
N95-34475 # p 539
N95-34489 # p 539
N95-34492 # p 539
N95-34564 # p 532
N95-34573 # p 533
N95-34574 # p 539
N95-34577 # p 539
N95-34609 # p 534
N95-34610 # p 534
N95-34616 # p 540
N95-34658 p 540
N95-34754 # p 533
N95-34764 *# p 540
N95-34765 *# p 540
N95-34767 *# p 540
N95-34768 *# p 541
N95-34769 *# p 541
N95-34773 *# p 541
N95-34774 *# p 535
N95-34775 *# p 535
N95-34776 *# p 542
N95-34777 *# p 542
N95-34778 *# p 542
N95-34779 *# p 542
N95-34780 *# p 543
N95-34781 *# p 543
N95-34782 *# p 543
N95-34783 *# p 543
N95-34784 *# p 544
N95-34785 *# p 544
N95-34786 *# p 544
N95-34787 *# p 544
N95-34789 # p 530

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A CONTINUING BIBLIOGRAPHY

Abstracts

January – December 1995

TABLE OF CONTENTS

SP-7011 Supplement	*Page*
397	1
398	27
399	41
400	105
401	189
402	219
403	269
404	319
405	361
406	407
407	475
408	527

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UNIV. OF IOWA LIBRARIES
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(319) 335-5926 Fax: (319) 335-5900

KANSAS

UNIV. OF KANSAS
Govt. Documents & Maps Library
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Lawrence, KS 66045-2800
(913) 864-4660 Fax: (913) 864-3855

KENTUCKY

UNIV. OF KENTUCKY
King Library South
Govt. Publications/Maps Dept.
Patterson Drive
Lexington, KY 40506-0039
(606) 257-3139 Fax: (606) 257-3139

LOUISIANA

LOUISIANA STATE UNIV.
Middleton Library
Govt. Documents Dept.
Baton Rouge, LA 70803-3312
(504) 388-2570 Fax: (504) 388-6992

LOUISIANA TECHNICAL UNIV.
Prescott Memorial Library
Govt. Documents Dept.
Ruston, LA 71272-0046
(318) 257-4962 Fax: (318) 257-2447

MAINE

UNIV. OF MAINE
Raymond H. Fogler Library
Govt. Documents Dept.
Orono, ME 04469-5729
(207) 581-1673 Fax: (207) 581-1653

MARYLAND

UNIV. OF MARYLAND - COLLEGE PARK
McKeldin Library
Govt. Documents/Maps Unit
College Park, MD 20742
(301) 405-9165 Fax: (301) 314-9416

MASSACHUSETTS

BOSTON PUBLIC LIBRARY
Govt. Documents
666 Boylston Street
Boston, MA 02117-0286
(617) 536-5400, ext. 226
Fax: (617) 536-7758

MICHIGAN

DETROIT PUBLIC LIBRARY
5201 Woodward Avenue
Detroit, MI 48202-4093
(313) 833-1025 Fax: (313) 833-0156

LIBRARY OF MICHIGAN
Govt. Documents Unit
P.O. Box 30007
717 West Allegan Street
Lansing, MI 48909
(517) 373-1300 Fax: (517) 373-3381

MINNESOTA

UNIV. OF MINNESOTA
Govt. Publications
409 Wilson Library
309 19th Avenue South
Minneapolis, MN 55455
(612) 624-5073 Fax: (612) 626-9353

MISSISSIPPI

UNIV. OF MISSISSIPPI
J.D. Williams Library
106 Old Gym Bldg.
University, MS 38677
(601) 232-5857 Fax: (601) 232-7465

MISSOURI

UNIV. OF MISSOURI - COLUMBIA
106B Ellis Library
Govt. Documents Sect.
Columbia, MO 65201-5149
(314) 882-6733 Fax: (314) 882-8044

MONTANA

UNIV. OF MONTANA
Mansfield Library
Documents Division
Missoula, MT 59812-1195
(406) 243-6700 Fax: (406) 243-2060

NEBRASKA

UNIV. OF NEBRASKA - LINCOLN
D.L. Love Memorial Library
Lincoln, NE 68588-0410
(402) 472-2562 Fax: (402) 472-5131

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THE UNIV. OF NEVADA LIBRARIES
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Reno, NV 89557-0044
(702) 784-6579 Fax: (702) 784-1751

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NEWARK PUBLIC LIBRARY
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Five Washington Street
Newark, NJ 07101-7812
(201) 733-7782 Fax: (201) 733-5648

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UNIV. OF NEW MEXICO
General Library
Govt. Information Dept.
Albuquerque, NM 87131-1466
(505) 277-5441 Fax: (505) 277-6019

NEW MEXICO STATE LIBRARY
325 Don Gaspar Avenue
Santa Fe, NM 87503
(505) 827-3824 Fax: (505) 827-3888

NEW YORK

NEW YORK STATE LIBRARY
Cultural Education Center
Documents/Gift & Exchange Section
Empire State Plaza
Albany, NY 12230-0001
(518) 474-5355 Fax: (518) 474-5786

NORTH CAROLINA

UNIV. OF NORTH CAROLINA - CHAPEL HILL
Walter Royal Davis Library
CB 3912, Reference Dept.
Chapel Hill, NC 27514-8890
(919) 962-1151 Fax: (919) 962-4451

NORTH DAKOTA

NORTH DAKOTA STATE UNIV. LIB.
Documents
P.O. Box 5599
Fargo, ND 58105-5599
(701) 237-8886 Fax: (701) 237-7138

UNIV. OF NORTH DAKOTA
Chester Fritz Library
University Station
P.O. Box 9000 - Centennial and University Avenue
Grand Forks, ND 58202-9000
(701) 777-4632 Fax: (701) 777-3319

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STATE LIBRARY OF OHIO
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65 South Front Street
Columbus, OH 43215-4163
(614) 644-7051 Fax: (614) 752-9178

OKLAHOMA

OKLAHOMA DEPT. OF LIBRARIES
U.S. Govt. Information Division
200 Northeast 18th Street
Oklahoma City, OK 73105-3298
(405) 521-2502, ext. 253
Fax: (405) 525-7804

OKLAHOMA STATE UNIV.
Edmon Low Library
Stillwater, OK 74078-0375
(405) 744-6546 Fax: (405) 744-5183

OREGON

PORTLAND STATE UNIV.
Branford P. Millar Library
934 Southwest Harrison
Portland, OR 97207-1151
(503) 725-4123 Fax: (503) 725-4524

PENNSYLVANIA

STATE LIBRARY OF PENN.
Govt. Publications Section
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Harrisburg, PA 17105-1601
(717) 787-3752 Fax: (717) 783-2070

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CLEMSON UNIV.
Robert Muldrow Cooper Library
Public Documents Unit
P.O. Box 343001
Clemson, SC 29634-3001
(803) 656-5174 Fax: (803) 656-3025

UNIV. OF SOUTH CAROLINA
Thomas Cooper Library
Green and Sumter Streets
Columbia, SC 29208
(803) 777-4841 Fax: (803) 777-9503

TENNESSEE

UNIV. OF MEMPHIS LIBRARIES
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Memphis, TN 38152-0001
(901) 678-2206 Fax: (901) 678-2511

TEXAS

TEXAS STATE LIBRARY
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Austin, TX 78701-0001
(512) 463-5455 Fax: (512) 463-5436

TEXAS TECH. UNIV. LIBRARIES
Documents Dept.
Lubbock, TX 79409-0002
(806) 742-2282 Fax: (806) 742-1920

UTAH

UTAH STATE UNIV.
Merrill Library Documents Dept.
Logan, UT 84322-3000
(801) 797-2678 Fax: (801) 797-2677

VIRGINIA

UNIV. OF VIRGINIA
Alderman Library
Govt. Documents
University Ave. & McCormick Rd.
Charlottesville, VA 22903-2498
(804) 824-3133 Fax: (804) 924-4337

WASHINGTON

WASHINGTON STATE LIBRARY
Govt. Publications
P.O. Box 42478
16th and Water Streets
Olympia, WA 98504-2478
(206) 753-4027 Fax: (206) 586-7575

WEST VIRGINIA

WEST VIRGINIA UNIV. LIBRARY
Govt. Documents Section
P.O. Box 6069 - 1549 University Ave.
Morgantown, WV 26506-6069
(304) 293-3051 Fax: (304) 293-6638

WISCONSIN

ST. HIST. SOC. OF WISCONSIN LIBRARY
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Madison, WI 53706
(608) 264-6525 Fax: (608) 264-6520

MILWAUKEE PUBLIC LIBRARY
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Milwaukee, WI 53233
(414) 286-3073 Fax: (414) 286-8074

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